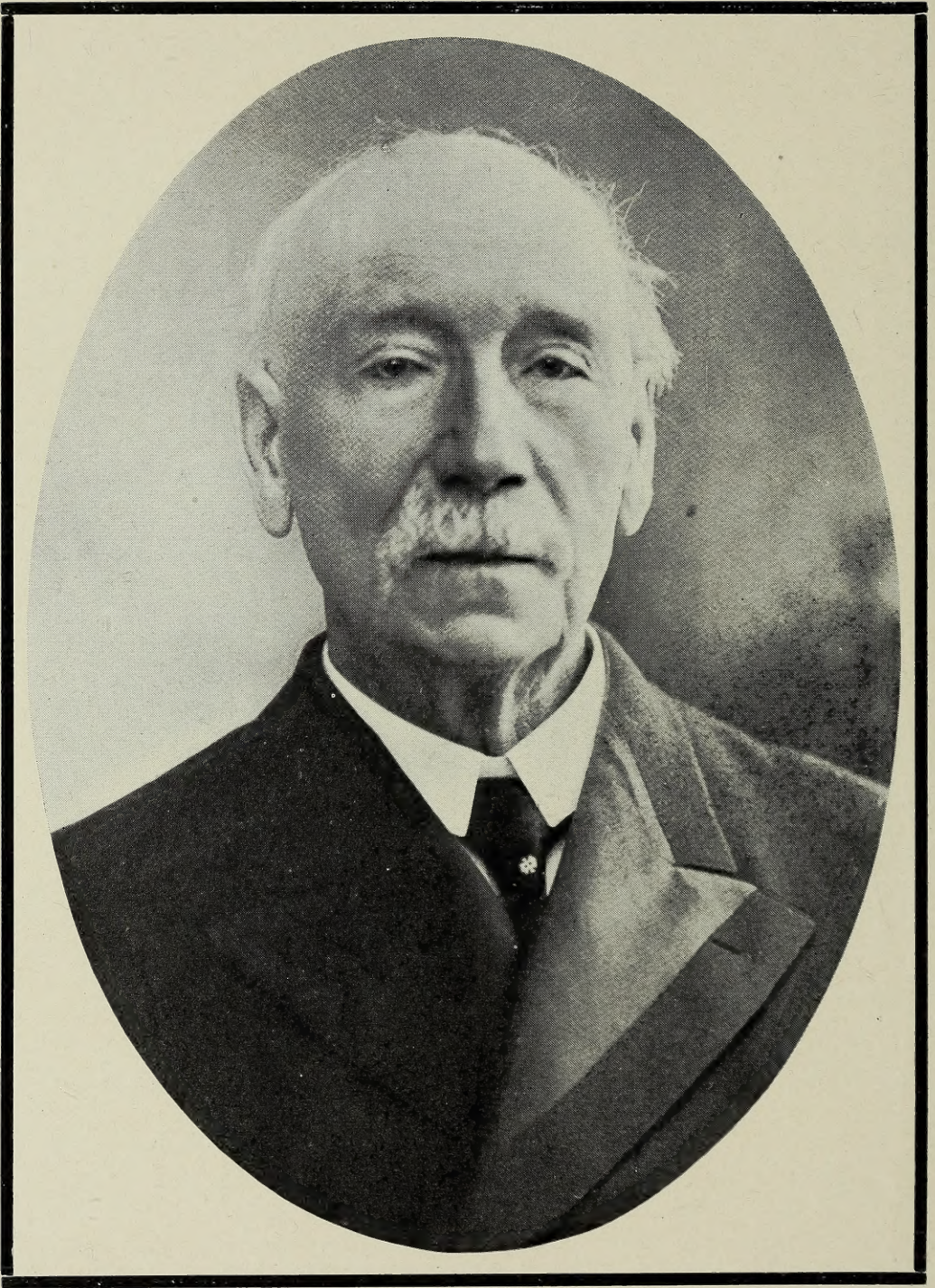


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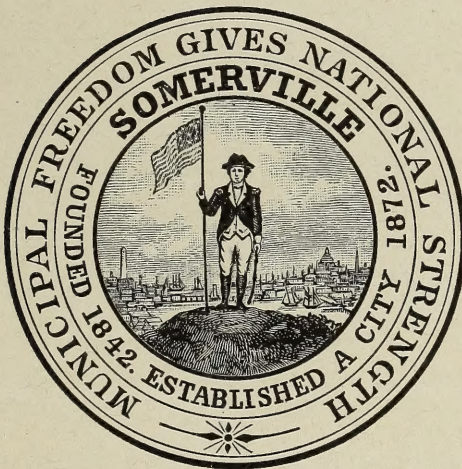
JAIRUS MANN

City Messenger 1872-1912

Born October 29, 1824. Died February 4, 1912

CITY OF SOMERVILLE
MASSACHUSETTS
ANNUAL REPORTS
1911

With Mayor's Inaugural Address
Delivered Jan. 1, 1912



SOMERVILLE JOURNAL PRINT
1912

INAUGURAL ADDRESS

DELIVERED BY

Mayor Charles A. Burns

MONDAY, JANUARY 1, 1912

Gentlemen of the Board of Aldermen:—

Having been selected to manage the affairs of our municipal corporation for the present year, we have assembled here this morning, in accordance with the charter, to begin our duties. These duties are various and important, and the most important is the disbursing of the money which the city receives, through the various channels, economically and for the best interests of the people.

The Financial Situation.

The city treasurer has placed in my hands a statement showing the financial condition of the city January 1, 1912. This statement is incorporated in this address, and should be read by every citizen.

The total funded debt of the city January 1, 1911, was \$1,500,000. This debt was increased during the year \$188,000. It was decreased \$169,000, leaving the net funded debt January 1, 1912, \$1,519,000, an increase of \$19,000.

The increase in the funded debt is accounted for partly by the increased appropriation for sidewalks construction, the building of the new Somerville Field for recreation, and the appropriation for the new schoolhouse in the western section of the city.

The increase in the tax rate of 1911 over that of 1910 was

largely due to the increases in the state and metropolitan assessments and debt requirements. At the same time, our tax rate is bound to stay where it is, or increase, unless we have decreased appropriations or increased valuation. In this connection I again call attention to the fact that we are not getting enough new business into our city. I should like to see the two boards of trade consolidated, and a large, active committee appointed to induce new commercial enterprises to locate within our borders. It is hoped that the Boston and Maine Railroad can be induced to build a delivery freight station on the Mystic flats. Manufacturers in that vicinity desire this, and if a station is erected, it will induce business to locate there, as the land is available.

There is a feeling in some quarters that the twelve-dollar limit should be abolished or increased. The amount available for current expenses for the present year under this limit is \$808,710.79. This amount, with the ordinary revenues for maintenance expenditures, I believe, from the figures now available, to be sufficient, with wise economy, to maintain the departments within the twelve-dollar limit, and that the necessity of an appeal to the legislature for authority to exceed this limit is not at this time apparent.

The abolishing of the limit, in my opinion, will lead to extravagance and an increased tax rate, which will not meet with the approval of the people. The running of a city is a straight business proposition. We must be progressive in our ideas. Obsolete methods of doing things must be abandoned. I shall demand that heads of departments show results and assist us in our work. Meetings of all heads of departments will be held monthly, in order that the general financial condition of the city may be discussed.

We are in a first-class financial condition, compared with our sister cities. Our debt of \$1,519,000 is small in comparison with those of many other cities of the commonwealth and the lowest, per capita, with one exception, of any. Our bond maturities in the next few years are large, and this fact must be a matter for consideration when future bond issues are contemplated.

Assessment of Property.

In connection with the finances of the city, the work of the assessors is an important factor. The assessment of property is required by law to be made at its full and fair cash value. I shall take up with the assessors in the immediate future their method of determining such values. If there is an improved system whereby the values can be more equitably determined, I shall urge its adoption.

Our Main Thoroughfares.

I have considered with the commissioner of streets and the city engineer the matter of permanently constructing the main thoroughfares of our city. These include Broadway, Elm, Summer, Beacon, Washington, and Holland streets and Somerville avenue. Portions of these thoroughfares have already been so constructed, and Highland avenue in its entirety. The expense, as given me, will amount to approximately \$155,000. While I do not expect that this can all be accomplished in one year, yet I feel that it is a good business proposition to do the work as soon as possible. The amount of money to be saved on maintenance will, in my judgment, more than offset the interest on the money borrowed. No better illustration of this can be had than Somerville avenue, which has been constructed permanently for some years, and on which the maintenance expenditure has been practically nothing. Not only on financial grounds do I believe in this, but good streets are a good asset and redound to the credit of any community.

In this connection, I would call attention to the fact that the borrowing capacity of the city January 1, 1912, is \$231,747.15. The bond maturities for the year are \$177,000, of which sum \$162,000 is within the debt limit, and the borrowing capacity will be increased by that amount, making a total available during the year of \$393,747.15.

A serious problem confronts us as to just how to construct our streets for the use of the automobile, and at the same time render them safe for the horse. This subject must be given careful consideration.

During the past year a large amount of money was spent on our trees. A spraying machine was installed, and I think

this year will witness good results from the work accomplished by it. I recommend that trees be purchased and set out in various sections of the city.

Before leaving consideration of this department, I wish to call attention to the effort that is being made to keep the streets clean. Paper and rubbish continually thrown into the streets greatly hinders the realization of our desire for clean streets and detracts from the good appearance of our city. A large amount of money is spent every year in this work, and we shall endeavor this year to do the work more systematically, but we cannot keep the streets clean unless we have the assistance of the people.

The High School Problem.

The greatest question which confronts us in regard to our schools is the proper accommodation of the high school pupils. Additional space should be made to take care of at least 600 students. From investigation, and in accordance with recommendations by the commissioner of public buildings and the superintendent of schools, it appears that this can be best accomplished by the construction of two wings on the west building, which work was a part of the comprehensive plan originally designed before the addition to the east building in 1906. More space is required for the manual training, commercial and domestic science departments, and laboratories. I would like to see in one of the wings an auditorium capable of seating at least 1,500 pupils. This would be a place where the entire school could come together, and it could also be used by the people at large. A gymnasium is needed, in order that the pupils may have proper physical instruction. At present the pupils in all our schools are getting no practical physical exercise. If nothing else is done to the two buildings, the connecting corridor should be raised immediately so as to connect all the floors. As I stated in my inaugural one year ago, I believe that we should have a physical director in our schools, and, if possible, this director should also take charge of the general athletics.

I think that if a two-years' business course could be inaugurated in our high school, it would meet the require-

ments of many of our young people who cannot afford to remain in the high school four years.

The S. Newton Cutler school is now in course of construction on Powder House boulevard, and is expected to be a distinct addition to our public buildings.

Last year an industrial school for girls was established, which is meeting with great success.

In regard to the increase of pay for the elementary school teachers, there seems to be a general feeling among the people that their salaries should be larger than at the present time. I feel that their demands are just. Of course, it is a question of finding the money. If the school committee can manage to save money in other directions, or if some other arrangements can be made, the teachers' request probably can be met.

Where needed, land is being purchased and playgrounds are being enlarged around the school buildings as fast as possible. The summer playgrounds are a great success, and are doing much good for our young people, and the city should co-operate as far as possible in their continuance. I believe the work last year was conducted on a more comprehensive plan than ever before. We should assist in this splendid work not only as a city, but individually.

Somerville Field.

During the past year the new Somerville field for recreation was begun and partially completed. A grandstand was constructed, and an area prepared for football and baseball. When completed, this will be one of the finest recreation fields possessed by any municipality. While the city has expended considerable money on this field, it is a good business proposition. I believe that, from the income which will be received from various sources, in twenty years' time, when the last of the bonds will mature, all expenses incidental to the field will have been paid. It is intended to so conduct the field that in the near future the students in the high school and in the senior classes in the grammar schools can attend various contests at a nominal cost, and eventually at no expense.

Grade Crossing Abolition.

The city engineer is making a set of block plans comprising the entire city's area, from accurate surveys made during the past twenty-five years. These plans will be of great value to the assessors and the various departments.

There should be a city ordinance requiring that all underground construction done by private corporations or companies shall be inspected by a competent city employee at the company's expense, so as to eliminate, as far as possible, faulty construction.

The past year witnessed the completion of the grade crossing at Webster avenue. It is hoped that the abolition of the remaining crossings may be completed as soon as possible, so that the commercial development along the line of the railroad may be more rapid.

Hospital Work.

The tuberculosis hospital was completed last year, and equipped and put into operation. The accommodations have been taxed to the limit.

In reference to the Somerville hospital, I will say that it is doing a splendid work. I believe that the money which the city annually appropriates for the hospital should be regarded somewhat on humanitarian lines, and not entirely as a business proposition. I question if the city could maintain a hospital of its own at an expenditure of \$5,000 a year. Taking into consideration the number of patients who are cared for by the hospital at the expense of the city, the number of out-patients who are treated, and the immense benefit which the hospital is to the city, I recommend that the usual sum of \$5,000 be appropriated for the care of the sick poor at this institution.

I am pleased to commend the excellence of the many charitable associations in the city. It has been suggested to me that an organization of the several associations would be of mutual benefit to all of them in carrying on their charitable work.

The Public Library.

In the death of Sam Walter Foss, our public librarian, Somerville lost one of her most esteemed citizens. Few men in our midst were regarded with such affection as he. Mr. Foss was identified for so many years with our library that he seemed a part of the institution.

The library is extending its work and influence by the establishment of branches in the eastern and Union-square sections. For the first time, the gross yearly circulation of books has exceeded half a million, which is a remarkable record.

Fire Department Equipment.

Land has been taken for a new fire station at the top of Winter hill. As soon as possible a building should be erected thereon and apparatus installed to take care of that fast-increasing section. Motor-driven apparatus should be purchased whenever new equipment is needed and the city's finances will permit. It is only a question of time when the horse-drawn apparatus will be a thing of the past. The committee on public safety should investigate the matter of placing a ladder truck in the engine house on Clarendon hill. To continue the good work of this department, its equipment should be kept at the highest standard, in order to get the results which the people expect and must have.

I do not feel that our fire-alarm system is up-to-date, and I would like to see a modern system installed. The committee should give this matter its immediate attention.

Inspection of Electric Wiring.

I have taken up with the commissioner of electric lines and lights the inspection of electric wiring in buildings, from a fire standpoint. The rules and requirements which are adopted for the installation of such wiring are intended to eliminate, as far as possible, the danger from fire which would result from careless and inferior workmanship. It is imperative that any person having work done should co-operate with the department by insisting upon an inspection and approval of such work before accepting it.

Betterment of the Police Service.

The police force has done a great deal of commendable work in the past year. I believe that the personnel in general is good. There are a few men in the force who do not meet the requirements of a progressive, up-to-date patrolman. These men are receiving attention, and I hope better results will be obtained this year than in the past. We should have two sergeants on the streets during the daytime, and if any of the present sergeants are not capable of performing street duty, they should be retired and men put in their places who can do the work. The police-signal system is obsolete, and we should install a new one, and I recommend that the committee on public safety take this matter up immediately. There should be a general overhauling of the police station. New cells should be put in, new floors laid, and the interior rearranged. I shall insist the present year on the officers having revolver practice, and all should be supplied with up-to-date revolvers of some good, standard make. As I stated in my inaugural one year ago, the department should be conducted on a military basis. There was installed last year an automobile patrol and ambulance, which is of tremendous help to the department.

Liquor Licenses.

I wish to commend the committee on licenses for the manner in which they performed their duty during the year. I feel that the city government legislated in reference to the druggists' and expressmen's licenses with due regard to the laws of the state and the best interests of our people. We are absolutely opposed to the licensing of the saloon to do business in our city, as shown by the decisive no-license vote, but the question of licensing druggists and expressmen is an entirely separate one, and it is of such importance that I would like, if possible, that the question might be referred to the voters.

Readjustment of Street Lights.

The committee on electric lines and lights, with the commissioner, has started a system of readjustment of the street lights of the city. It is hoped that, when the work is com-

pleted, the city will be better lighted than ever before, and on a more economic basis. The most recent, improved magnetite lamps are to be placed on Broadway, from the Charlestown to the Arlington line, brilliantly illuminating this splendid thoroughfare.

Light and Power for Central Hill Buildings.

The recommendation contained in the finance report for an electric generating plant for furnishing light and power for the municipal buildings on Central hill, it seems to me, should be given careful consideration by your honorable board early in the year. The installation of such a plant will entail considerable expense, but it may be found that a great saving can be made in this particular item of maintenance.

Bathing Facilities.

The popularity of the bathing beach on the Mystic river continued during the past year to such an extent that it is almost imperative that the city should acquire land there and erect a permanent plant for bathing facilities.

Metropolitan District Developments.

The metropolitan plan commission, appointed to report as to the feasibility of a plan for the metropolitan district, and to draft legislation, will probably report its findings to the incoming legislature. This commission will take up, if the bill passes, the planning of the development of the whole metropolitan district. I was present at a conference in regard to this bill, and stated that Somerville would oppose anything whereby it would seem that our metropolitan assessments would be increased. These assessments have increased in the last ten years practically sixty-five per cent., and they have reached such alarming proportions that it would seem to be about time that a halt was called. I hope that the members of the legislature from Somerville, if this bill comes before them, will give it their careful consideration.

Finance Committee Report.

The committee on finance, under an order adopted by the board of aldermen, made a study of the finances of the city.

The members of this committee are to be commended for the work which they did for the city, especially when it is taken into consideration that these men receive no remuneration for their labor. While I do not agree with them in all of their recommendations, yet the report is evidence of the large amount of study given the various departments. This report, with recommendations, has been referred to your honorable board for your consideration.

In order to reduce expenses, it seems wise that the plan of consolidating departments should progress as rapidly as possible. While I had some objections to merging the collection of ashes and offal with the highway department, the expense of this work has increased to such proportions it seemed advisable that something should be done. The control of the appropriation for this work now comes directly under the mayor and aldermen, and it is my hope that through this consolidation the expense of doing this work will be materially reduced.

The average amount paid the veterans or their widows for soldiers' relief is \$8.85 per month. It does not appear that this average can, or should, be reduced. Under the new ordinance now in effect, an agent is to be appointed by the mayor and confirmed by your honorable board, who will investigate all cases. The only effect this will have, for the present at least, in my opinion, will be, possibly, the distributing of the money more equitably.

The new ordinance, now in effect, in relation to the city auditor has increased the duties of the city auditor materially, and I feel that, as a whole, the system will be improved. There will be no substantial increase in the maintenance of this department for the present year.

I have tried to co-operate, as far as possible, with the heads of departments in giving to the city a progressive, business administration. Payments have been made promptly, in order to secure cash discounts whenever possible, and this policy will continue.

We should undertake to co-operate with each other and

give the city a clean, business administration. I appreciate the honor which the people have paid me in re-electing me to the highest office within their gift, and I shall continue in my endeavor to discharge my duties with credit both to my city and myself.

I wish you and all of our people a Prosperous and Happy New Year.

Financial Statement.

The total amount of taxable property April 1, 1911, was \$67,284,066, of which \$59,837,100 was real estate and \$7,446,966 was personal estate. At a rate of \$19.10 on each \$1,000 of valuation, the tax was \$1,285,125.66. There were 22,414 polls at \$2, making \$44,828. Amount assessed for street sprinkling, \$33,544.15, and for the extermination of gypsy and brown-tail moths, \$1,166.71, a total of \$1,364,664.52, to which sum add \$1,576.40 on non-resident bank shares to be paid the state, making a total tax levy of \$1,366,240.92. The total number of persons assessed, resident and non-resident, was 30,543.

Of the amount of the tax levy, \$247,000 is required for the debt provisions; \$245,725.66 for state and county taxes, metropolitan district assessments, overlay and abatement, etc., matters over which the city has no control; \$425,675 for current expenses of departments, over which the board of aldermen has no control; \$366,725 for current expenses within control of the board of aldermen. The same statement based upon \$19.10 per thousand is as follows: Of each \$19.10, \$3.65 is for state, county, and metropolitan taxes and overlay and abatement; \$3.67 for debt requirements; \$6.33 for current expenses over which the board of aldermen has no control; \$5.45 for current expenses within control of the board of aldermen.

In addition to the amount received from taxes, there was available last year the sum of \$226,554.24 on water income account; \$27,189.13 from corporation and bank taxes; from the clerk of the courts, \$2,336; from the county for dog licenses, \$3,949.82; street railway tax, \$50,836.88; Boston Elevated Railway tax, \$10,000.74; a total of \$320,866.81, making the total amount available from these sources and from taxes \$1,685,531.33.

Funded Debt.—The funded debt of the city January 1, 1911, was as follows:—

City Loan	\$1,050,000 00
Sewer Loan	332,000 00
Paving Loan	10,000 00
Water Loan	50,000 00
Metropolitan Park Assessment Loan	19,000 00
Lowell Street Bridge Loan	39,000 00
	<hr/>
	\$1,500,000 00

The debt was increased during the year by appropriations made by the board of aldermen, as follows:—

Highways Construction	\$50,000 00
Highways, Paved Gutters and Crossings,	6,500 00
Building Public Buildings	70,000 00
Sewers Construction	20,000 00
Sidewalks Construction	20,000 00
Police Department, Additional Equip- ment	4,000 00
Recreation Field, Alewife Brook	15,000 00
Fire Department, Additional Apparatus	2,500 00
	<hr/>
	\$188,000 00

The debt was reduced during the year by maturities as follows:—

City Loan	\$133,000 00
Sewer Loan	18,000 00
Paving Loan	5,000 00
Water Loan	6,000 00
Metropolitan Park Assessment Loan	1,000 00
Lowell Street Bridge Loan	1,000 00
	<hr/>
	\$169,000 00

Leaving the funded debt of the city January 1, 1912, \$1,519,000 (an increase of \$19,000 over the previous year), in bonds classified as follows:—

City Loan, at 3½ per cent.	\$277,000 00
City Loan, at 4 per cent.	803,000 00
Sewer Loan, at 3½ per cent.	88,000 00
Sewer Loan, at 4 per cent.	246,000 00
Paving Loan, at 4 per cent.	5,000 00
Water Loan, at 4 per cent.	44,000 00
	<hr/>

Amount carried forward \$1,463,000 00

Amount brought forward	\$1,463,000 00
Metropolitan Park Assessment Loan, at 3½ per cent.	18,000 00
Lowell Street Bridge Loan, at 3½ per cent.	38,000 00
	<hr/>
	\$1,519,000 00

The foregoing amount represents the net indebtedness of the city, the unfunded liabilities for the temporary loans, etc., being equaled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of April 1, 1911, was duly submitted to the collector.

The total amount of taxable property, not including non-resident bank shares, was \$67,284,066, and the rate established was \$19.10 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$59,837,100 00
Personal estate, valuation	7,387,200 00
Resident bank shares	59,766 00
	<hr/>
Total valuation	\$67,284,066 00
At a rate of \$19.10 on each \$1,000 valuation	\$1,285,125 66
Polls, 22,414 at \$2	44,828 00
Street sprinkling	33,544 15
Extermination gypsy and brown-tail moths	1,166 71
	<hr/>
	\$1,364,664 52
Non-resident bank shares, \$82,534 at \$19.10	1,576 40
	<hr/>
Total amount of tax levy	\$1,366,240 92
Total number of persons assessed, resident and non-resident, 30,543.	

Appropriations.—The amount of revenue provided by the tax levy may properly be classified as follows:—

	Rate assessed on \$1,000 valuation.	Amount.
For current expenses within the control of the board of aldermen	\$5 45	\$366,725 00
	<hr/>	<hr/>
Amounts carried forward	\$5 45	\$366,725 00

Amounts brought forward . . .	\$5 45	\$366,725 00
Current expenses of departments over which the board of aldermen has no control . . .	6 33	425,675 00
Debt requirements . . .	3 67	247,000 00
State and county taxes, metropolitan district assessments, and Overlay account . . .	3 65	245,725 66
<hr/>		
Total amount assessed on a valuation of \$67,284,066 at . . .	\$19 10	\$1,285,125 66
Non-resident bank shares . . .		1,576 40
Poll taxes assessed, credited to state and county . . .		44,828 00
Street sprinkling . . .		33,544 15
Extermination gypsy and brown-tail moths . . .		1,166 71
<hr/>		
Total amount of tax levy . . .		\$1,366,240 92

The appropriations to the various accounts were as follows:—

	Within Control of Board of Aldermen.	Without the Control of the Board of Aldermen.
General Government . . .	\$68,400 00	
Protection of Life and Property . . .	126,600 00	
Health and Sanitation . . .	6,950 00	\$62,175 00
Highways . . .	51,600 00	
Charities . . .	6,800 00	15,500 00
Soldiers' Benefits . . .	23,400 00	
Education . . .	62,000 00	326,000 00
Libraries . . .	5,450 00	22,000 00
Recreation . . .	14,025 00	
Unclassified . . .	1,500 00	
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	\$366,725 00	\$425,675 00
<hr/>		
Total amount assessed on a valuation of \$67,284,066 at \$5.45 . . .	\$366,725 00	
Total amount assessed on a valuation of \$67,284,066 at \$6.33 . . .		\$425,675 00

ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest	\$85,000 00
Reduction of Funded Debt	162,000 00
<hr/>	
Total amount assessed on a valuation of \$67,284,066 at \$3.67	\$247,000 00

PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax	\$93,335 00
Deduct one-half of poll taxes . .	22,414 00
<hr/>	
	\$70,921 00
Grade Crossing Tax	6,715 09
State Highway Tax	58 00
Abatement of Smoke, Boston and vicinity	197 91
County Tax	\$59,591 69
Deduct one-half of poll taxes . .	22,414 00
<hr/>	
	37,177 69
Metropolitan Sewer Assessment . .	64,250 86
Metropolitan Park Assessment . .	37,797 26
Charles River Basin Assessment . .	15,631 40
Alewife Brook Assessment	901 67
Wellington Bridge Assessment . . .	813 98
Overlay and Abatement	11,260 80
<hr/>	
Total amount assessed on a valuation of \$67,284,066 at \$3.65	\$245,725 66
Collected for state on non-resident bank .	1,576 40
<hr/>	
	\$247,302 06

In addition to the above, the following appropriations were made from the various income accounts:—

From the income of the water works:—

Water Maintenance	\$25,000 00
Less unexpended balance	556 62
<hr/>	
	\$24,443 38
Water Loan Interest	1,980 00
Reduction of Funded Debt, Water Loan Bonds	6,000 00
Metropolitan Water Assessment . .	115,094 29
Water Works Extension	13,500 00
Sewers Maintenance	13,000 00
Fire Department	50,000 00
<hr/>	
Amount carried forward	\$224,017 67

Amount brought forward	\$224,017 67
Reduction of Funded Debt	1,730 24
Public Buildings Department, Maintenance Water Buildings	806 33
	<hr/>
	\$226,554 24

From the income from the state and county:—

Police, the amount received from the state for corporation taxes	\$22,808 82
Police, the amount received from the state for bank taxes	4,380 31
Police, the amount received from the clerk of the courts, for fines, costs, etc.	2,336 00
Public Library, the amount received from the county for dog licenses	3,949 82
Highways Maintenance, from street railway tax	50,836 88
Highways Maintenance, from Boston Elevated Railway tax	10,000 74
	<hr/>
Total	\$94,312 57
Total from water income and from state and county	<u>\$320,866 81</u>

The aggregate appropriations from tax levy and from income were as follows:—

From tax levy	\$1,364,664 52
From income	320,866 81
	<hr/>
	\$1,685,531 33

The following tables, giving a condensed history of the city's finances, are herewith presented for reference:—

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduc- tion of Funded Debt.
Town	\$593,349			
Dec. 31, 1872	643,354	\$50,005	. .	. .
" 1873	809,354	166,000	. .	. .
" 1874	1,419,854	610,500	. .	. .
" 1875	1,571,854	152,000	. .	. .
" 1876	1,606,854	45,000	*\$55,130 62	\$2 07
" 1877	1,606,854	10,000	*58,828 58	2 30
" 1878	1,596,854	. .	61,004 64	2 91
" 1879	1,585,000	. .	64,915 76	3 42
" 1880	1,585,000	. .	55,739 35	2 72
" 1881	1,585,000	. .	58,498 64	2 59
" 1882	1,585,000	. .	61,390 59	2 65
" 1883	1,585,000	. .	64,479 01	2 70
" 1884	1,585,000	. .	67,719 33	2 78
" 1885	†1,525,000	. .	71,305 66	2 87
" 1886	1,525,000	. .	66,894 23	2 57
" 1887	1,525,000	. .	70,252 88	2 56
" 1888	†860,500	25,000	37,000 00	1 28
" 1889	952,500	130,000	38,000 00	1 27
" 1890	1,057,500	150,000	45,000 00	1 38
" 1891	1,045,500	45,000	57,000 00	1 55
" 1892	1,194,500	253,000	104,000 00	2 73
" 1893	1,279,500	222,000	137,000 00	3 27
" 1894	1,344,500	172,000	107,000 00	2 42
" 1895	1,506,500	247,000	85,000 00	1 83
" 1896	1,531,000	177,000	152,500 00	3 11
" 1897	1,548,000	167,000	150,000 00	2 39
" 1898	1,552,000	176,000	172,000 00	3 99
" 1899	1,492,500	110,000	169,500 00	3 30
" 1900	1,478,000	152,000	166,500 00	3 17
" 1901	1,461,000	146,000	163,000 00	3 02
" 1902	1,447,000	175,000	159,000 00	2 86
" 1903	1,505,500	197,500	169,000 00	2 96
" 1904	1,498,500	132,500	139,500 00	2 40
" 1905	1,510,000	148,000	136,500 00	2 30
" 1906	1,464,500	100,000	145,500 00	2 41
" 1907	1,508,000	198,000	154,500 00	2 51
" 1908	1,466,500	110,000	151,500 00	2 06
" 1909	1,503,000	190,000	153,500 00	2 42
" 1910	1,500,000	160,000	163,000 00	2 26
" 1911	1,519,000	188,000	169,000 00	2 41

*\$10,000 applied to payment of bonds; balance to sinking funds.

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374 45	\$13 00
1873	29,643,100	389,214 48	12 80
1874	30,837,700	473,235 50	15 00
1875	31,317,000	518,161 40	16 20
1876	26,573,400	504,475 24	18 60
1877	25,479,400	471,789 14	18 10
1878	20,976,900	409,497 10	19 00
1879	18,950,100	352,553 80	18 00
1880	20,458,100	402,927 71	19 10
1881	22,569,100	452,945 45	19 50
1882	23,162,200	425,721 16	17 80
1883	23,812,900	411,645 43	16 70
1884	24,331,100	418,750 26	16 60
1885	24,878,400	428,605 44	16 60
1886	26,003,200	416,987 28	15 40
1887	27,471,800	424,309 14	14 80
1888	28,765,400	421,458 60	14 00
1889	30,004,600	440,324 40	14 00
1890	32,557,500	447,704 00	14 00
1891	36,843,400	539,137 10	14 00
1892	38,093,100	596,357 50	15 00
1893	41,873,600	675,886 80	15 50
1894	44,142,900	721,165 54	15 70
1895	46,506,300	745,609 02	15 40
1896	49,070,800	786,412 32	15 40
1897	50,231,000	913,574 42	17 30
1898	50,739,700	954,187 11	17 90
1899	51,262,400	882,580 96	16 30
1900	52,578,200	889,916 08	16 00
1901	53,924,200	907,439 82	15 90
1902	55,558,300	964,535 80	16 40
1903	57,062,000	1,038,849 84	17 20
1904	58,137,900	1,059,292 56	17 20
1905	59,233,000	1,144,000 14	18 30
1906	60,371,500	1,114,023 62	17 40
1907	61,627,200	1,144,434 92	17 40
1908	63,158,400	1,237,694 72	18 40
1909	63,658,953 20	1,260,144 32	18 60
1910	66,376,338 70	1,306,888 71	18 50
1911	67,284,066 00	1,366,240 92	19 10

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, February 20, 1912.

To the Honorable, the Mayor, and the Board of Aldermen of
the City of Somerville:—

Gentlemen: The undersigned presents herewith the fortieth annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1911.

Public Property.

The value of the public property of the city December 31, 1910, was \$5,423,411.80. The property acquired during the year was as follows:—

City Hall, Additional Accommodations		\$2,313 42
Police Department, paid on Ambulance and Patrol Auto-mobile		2,000 00
Police Building, Vault		2,851 80
Care of Trees, Spraying Machine		1,289 00
Tuberculosis Hospital Construction:—		
Building	\$3,900 68	
Furniture	949 90	
	<hr/>	4,850 58
Tuberculosis Hospital, Supplies, Bedding, etc.:—		
In Health Department, Tuberculosis Hospital	\$781 69	
In Health Department, Contagious Disease Hospital	267 45	
	<hr/>	1,049 14
Sewers, Construction	\$10,934 30	
Less catch basins and stock on hand	4,331 50	
	<hr/>	6,602 80
Bennett School Addition, 2,857 feet of land		800 00
Martin W. Carr School, Land Addition, 1,080 feet of land, Industrial School for Girls:—		410 00
8,850 feet of land, and buildings	\$6,700 00	
Improvement	2,637 72	
Equipment (School Contingent account)	211 02	
	<hr/>	9,548 74
Davis School, Vocational Equipment		3,734 57
William H. Hodgkins School Addition:—		
Land, 12,345 feet	\$3,272 45	
Fence and grading	678 25	
	<hr/>	3,950 70
Schoolhouse in Ward Seven (S. Newton Cutler School):—		
Land, 53,729 feet	\$18,928 94	
Building (partially completed)	8,761 09	
	<hr/>	27,690 03
Park Buildings, Broadway and Lincoln Parks:—		
Broadway Park	\$851 31	
Lincoln Park	1,111 51	
	<hr/>	1,962 82
Amount carried forward		<hr/> \$69,053 60

Amount brought forward	\$69,053 60
Recreation Field, Alewife Brook	19,925 32
Water Works Extension	\$14,970 34
Less Water Service Assessments	4,200 44
	<hr/> 10,769 90
	<hr/> \$99,748 82
Less sale of Waltham land	\$3,075 00
Gravel sold Boston & Maine Railroad	1,083 95
	<hr/> 4,158 95
Property acquired in 1911	\$95,589 87
Making the total public property December 31, 1911	\$5,519,001 67

Funded Debt.

The funded debt December 31, 1910, as per Table B of the last annual report, was \$1,500,000.

The debt was increased during the year by appropriations as follows:—

Highways, Construction	\$50,000 00
Highways, Paved Gutters and Crossings	6,500 00
Building Public Buildings	70,000 00
Sewers, Construction	20,000 00
Sidewalks, Construction	20,000 00
Police Department, Additional Equipment	4,000 00
Fire Department, Additional Apparatus	2,500 00
Recreation Field, Alewife Brook	15,000 00

Total amount of appropriations on Funded Debt account	\$188,000 00
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To provide for the above-mentioned appropriations, coupon bonds to the amount of \$188,000 at 4 per cent. were issued, viz.:—

City Loan Bonds Nos. 3976 to 3989, payable 1912	\$14,000 00
City Loan Bonds Nos. 3990 to 4003, payable 1913	14,000 00
City Loan Bonds Nos. 4004 to 4017, payable 1914	14,000 00
City Loan Bonds Nos. 4018 to 4031, payable 1915	14,000 00
City Loan Bonds Nos. 4032 to 4045, payable 1916	14,000 00
City Loan Bonds Nos. 4046 to 4059, payable 1917	14,000 00
City Loan Bonds Nos. 4060 to 4073, payable 1918	14,000 00
City Loan Bonds Nos. 4074 to 4087, payable 1919	14,000 00
City Loan Bonds Nos. 4088 to 4100, payable 1920	13,000 00
City Loan Bonds Nos. 4101 to 4113, payable 1921	13,000 00
City Loan Bonds Nos. 4114 to 4116, payable 1922	3,000 00
City Loan Bonds Nos. 4117 to 4119, payable 1923	3,000 00
City Loan Bonds Nos. 4120 to 4122, payable 1924	3,000 00
City Loan Bonds Nos. 4123 to 4125, payable 1925	3,000 00
City Loan Bonds Nos. 4126 to 4128, payable 1926	3,000 00
City Loan Bonds Nos. 4129 to 4131, payable 1927	3,000 00
City Loan Bonds Nos. 4132 to 4134, payable 1928	3,000 00
City Loan Bonds Nos. 4135 to 4137, payable 1929	3,000 00
City Loan Bonds Nos. 4138 to 4140, payable 1930	3,000 00
City Loan Bonds Nos. 4141 to 4143, payable 1931	3,000 00
Sewer Loan Bonds Nos. 529 to 548, payable 1912 to 1931	20,000 00

Total amount of bonds issued in 1911	\$188,000 00
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\$65,500 of coupon bonds were exchanged for registered bonds during the year.

The following bonds became due during the year:—

City Loan Bonds Nos. 1710 to 1715, interest 4 per cent.	\$6,000 00
City Loan Bonds Nos. 1991 to 2000, interest 4 per cent.	10,000 00
City Loan Bond No. Reg. 185, interest 4 per cent.	1,000 00
City Loan Bonds Nos. 2002 to 2004, interest 4 per cent.	3,000 00
City Loan Bonds Nos. 2180 to 2187, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 2336 to 2340, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 2476 to 2480, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 2596 to 2599, interest 4 per cent.	4,000 00
City Loan Bonds Nos. 2736 to 2740, interest 3½ per cent.	5,000 00
City Loan Bonds Nos. 2847 to 2853, interest 3½ per cent.	7,000 00
City Loan Bond No. Reg. 165, interest 3½ per cent.	7,000 00
City Loan Bonds Nos. 2974 to 2975, interest 3½ per cent.	2,000 00
City Loan Bonds Nos. 3083 to 3091, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 3244 to 3252, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 3164 to 3165, interest 4 per cent.	2,000 00
City Loan Bond No. Reg. 116, interest 3½ per cent.	9,000 00
City Loan Bonds Nos. 3460 to 3464, interest 4 per cent.	5,000 00
City Loan Bond No. Reg. 13, interest 4 per cent.	3,000 00
City Loan Bond No. Reg. 17, interest 4 per cent.	6,000 00
City Loan Bonds Nos. 3547 to 3551, interest 4 per cent.	5,000 00
City Loan Bonds Nos. 3660 to 3666, interest 4 per cent.	7,000 00
City Loan Bonds Nos. 3737 to 3747, interest 3½ per cent.	11,000 00
City Loan Bonds Nos. 3846 to 3855, interest 4 per cent.	10,000 00
Sewer Loan Bond No. 53, interest 4½ per cent.	1,000 00
Sewer Loan Bond No. 70, interest 4 per cent.	1,000 00
Sewer Loan Bonds Nos. 129 to 131, interest 4 per cent.	3,000 00
Sewer Loan Bond No. 187, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 211, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 233, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. Reg. 169, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 286, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 310, interest 4 per cent.	1,000 00
Sewer Loan Bond No. Reg. 134, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 363, interest 4 per cent.	1,000 00
Sewer Loan Bond No. Reg. 21, interest 4 per cent.	2,000 00
Sewer Loan Bond No. 441, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 470, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 499, interest 4 per cent.	1,000 00
Paving Loan Bonds Nos. 91 to 95, interest 4 per cent.	5,000 00
Water Loan Bond No. 295, interest 4 per cent.	1,000 00
Water Loan Bond No. Reg. 104, interest 4 per cent.	3,000 00
Water Loan Bonds Nos. 428 to 429, interest 4 per cent.	2,000 00
Metropolitan Park Assessment Loan Bond No. Reg. 151, interest 3½ per cent.	1,000 00
Lowell Street Bridge Loan Bond No. 2, interest 3½ per cent.	1,000 00

Total amount of bonds maturing in 1911 . . . \$169,000 00

Leaving the net funded debt December 31, 1911, \$1,519,-000, classified as follows:—

	Registered.	Coupon.
City Loan Bonds at 3½ per cent.	\$74,000 00	\$203,000 00
City Loan Bonds at 4 per cent.	119,500 00	683,500 00
Sewer Loan Bonds at 3½ per cent.	30,000 00	58,000 00
Sewer Loan Bonds at 4 per cent.	66,000 00	180,000 00

Amounts carried forward . . . \$289,500 00 \$1,124,500 00

Amounts brought forward	\$289,500 00	\$1,124,500 00
Paving Loan Bonds at 4 per cent.		5,000 00
Water Loan Bonds at 4 per cent.	22,000 00	22,000 00
Metropolitan Park Assessment Loan Bonds at 3½ per cent.	1,000 00	17,000 00
Lowell Street Bridge Loan Bonds at 3½ per cent.	5,000 00	33,000 00
	<u>\$317,500 00</u>	<u>\$1,201,500 00</u>
Registered Bonds		\$317,500 00
Coupon Bonds		1,201,500 00
		<u>\$1,519,000 00</u>

Funded debt within the limit fixed by law:—

City Loan	\$1,080,000 00
Sewer Loan	292,000 00
Lowell Street Bridge Loan	38,000 00
	<u>\$1,410,000 00</u>

Funded debt beyond the limit fixed by law:—

Paving Loan (Chapter 153, Acts 1892)	\$5,000 00
Sewer Loan (Chapter 357, Acts 1895)	42,000 00
Metropolitan Park Assessment Loan (Chapter 325, Acts 1902)	18,000 00
	<u>\$65,000 00</u>
Water Loan	44,000 00
	<u>109,000 00</u>
	<u>\$1,519,000 00</u>

Resources.

The assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, was duly received.

The total amount of taxable property April 1, 1911, was \$67,284,066, and the rate of taxation was \$19.10 on each \$1,000 of valuation, as follows:—

Real estate, valuation	\$59,837,100 00
Personal estate, valuation	7,446,966 00
	<u>\$67,284,066 00</u>
At a rate of \$19.10 on \$1,000 valuation ,	\$1,285,125 66
Polls, 22,414 at \$2	44,828 00
Street sprinkling	33,544 15
Gypsy and brown-tail moth extermination	1,166 71
Non-resident bank shares to be paid to state	1,576 40
	<u>\$1,366,240 92</u>
Total amount of tax levy	\$1,366,240 92
Borrowed on Funded Debt account, to provide for the cost of public improvements	188,000 00
Water works income	226,554 24
National bank taxes, applied to Police	4,380 31
Corporation taxes, applied to Police	22,808 82
Court fees, fines, etc., applied to Police	2,336 00
	<u>\$1,810,320 29</u>
Amount carried forward	\$1,810,320 29

Amount brought forward	\$1,810,320 29
County of Middlesex, dog licenses, applied to Public Library	3,949 82
Street Railway tax, applied to Highways Maintenance	50,836 88
Boston Elevated Railway tax, applied to Highways Maintenance	10,000 74
Total amount of resources	<u>\$1,875,107 73</u>

Appropriations from Funded Debt and from Income.

CREDIT BALANCES.

Municipal Buildings, Vaults	\$2,800 00
City Hall, Additional Accommodations	186 58
Police Department, Additional Equipment	2,000 00
Police Building, Vault	148 20
Fire Station, Winter Hill	5,000 00
Electrical Department, Underground Construction	1,077 37
Sewers, Construction	6,009 76
Incinerator Building	121 11
Highways, Construction	1,733 54
Sidewalks, Construction	62 38
Lowell Street Bridges	2,407 18
City Home Addition	7,983 43
Bennett School Addition	1,190 00
Burns School Addition	778 00
William H. Hodgkins School Addition	5,029 85
Industrial School for Girls	162 28
Schoolhouse in Ward Seven	50,302 52
Schoolhouses, Additional Window Space	404 46
Ward One Branch Library	132 72
Union Square Branch Library	815 55
Recreation Field, Alewife Brook	74 68
Building Public Buildings	90 02
	<u>\$88,509 63</u>
Highways, Maintenance	2,769 90
Library Trust Funds, Income:—	
Isaac Pitman Fund, Art	\$285 29
Isaac Pitman Fund, Poetry	82 26
Frances A. Wilder Children's Department Fund	6 15
Martha R. Hunt Fund, Books	447 00
Martha R. Hunt Fund, Art	52 50
	<u>873 20</u>
Reduction of Funded Debt	7,579 80
	<u>\$99,732 53</u>

Cash.

Balance on hand January 1, 1911	\$107,788 97
Total cash receipts for the year 1911	2,798,516 12
	<u>\$2,906,305 09</u>
Total cash disbursements for the year 1911	2,795,976 00
	<u>\$110,329 09</u>
Balance in the treasury December 31, 1911	\$110,329 09
Deposits in banks	\$105,831 80
Cash on hand , ,	4,497 29
	<u>\$110,329 09</u>

Assets and Liabilities.

The assets of the city available for the payment of its unfunded liabilities are as follows:—

Available assets:—

Taxes, uncollected	\$282,503 45	
Highway Betterment Assessments, uncollected	2,604 14	
Sewer Assessments, uncollected	4,872 53	
Sidewalk Assessments, uncollected	13,101 95	
Metered Water Charges, uncollected	16,459 80	
	<hr/>	\$319,541 87
Commonwealth of Massachusetts:—		
State Aid	\$16,218 00	
Military Aid	414 00	
Soldiers' Burials	481 00	
	<hr/>	17,113 00
Grade Crossings (cash advanced for land damages)	39,314 11	
Real Estate Liens	631 83	
Cash in treasury	110,329 09	
	<hr/>	\$486,929 90
Unfunded liabilities:—		
Coupons	\$11,087 50	
Overplus on Tax Sales	118 13	
Sundry Persons	750 88	
Temporary Loans	350,000 00	
	<hr/>	\$361,956 51
Excess of available assets		\$124,973 39

Balance Sheet.

DEBIT.		
Public Property	\$5,519,001 67	
Excess of available assets	124,973 39	
	<hr/>	\$5,643,975 06
CREDIT.		
Excess of appropriations from Funded Debt and from Income	\$99,732 53	
Excess of appropriations from tax levy	4,932 37	
Overlay and Abatement	20,308 49	
Present Funded Debt	1,519,000 00	
	<hr/>	\$1,643,973 39
Property and Debt Balance	4,000,001 67	
	<hr/>	\$5,643,975 06

A detailed statement of the public property, funded debt, and the receipts and disbursements of the several accounts will be found in the following appendix.

Respectfully submitted,

JOSEPH S. PIKE,

Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.—PUBLIC PROPERTY DECEMBER 31, 1911.

Central Hill land (389,920 feet)		\$270,000 00
City Hall	\$37,645 74	
Furniture and fixtures	10,000 00	
Storage vault	2,342 91	
		49,988 65
Public Library building	42,000 00	
Public Library land and building, West Somerville	31,449 52	
Public Library	25,000 00	
		98,449 52
City Hall Annex		20,655 02
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building	36,000 00	
Furniture	1,080 00	
Books	530 00	
		37,610 00
Bingham Schoolhouse, land (35,586 feet) and building	67,405 04	
Furniture	2,600 00	
Books	2,300 00	
		72,305 04
Burns Schoolhouse, land (16,080 feet) and building	33,300 00	
Furniture	1,460 00	
Books	1,000 00	
		35,760 00
Charles G. Pope Schoolhouse, land (27,236 feet) and building	83,600 00	
Furniture	2,160 00	
Books	2,600 00	
		88,360 00
Cummings Schoolhouse, land (11,300 feet) and building	11,200 00	
Furniture	720 00	
Books	500 00	
		12,420 00
Davis Schoolhouse, land (30,155 feet) and building	22,000 00	
Furniture	720 00	
Books	400 00	
Vocational equipment	5,183 50	
		28,303 50
Edgerly Schoolhouse, land (24,000 feet) and building	43,800 00	
Furniture	2,230 00	
Books	2,800 00	
		48,830 00
English High Schoolhouse	137,259 66	
Furniture	3,900 00	
Philosophical and manual training ap- paratus	10,760 13	
Books	12,000 00	
		163,919 79
Amount carried forward		\$926,601 52

Amount brought forward		\$926,601 52
Forster Schoolhouse and Annex, land (30,632 feet) and buildings	82,000 00	
Furniture	3,290 00	
Books	4,100 00	
	<hr/>	89,390 00
George L. Baxter Schoolhouse, land (11,000 feet) and building	31,800 00	
Furniture	1,155 64	
Books	450 00	
	<hr/>	33,405 64
George O. Proctor Schoolhouse, building (on Armory lot) (40,244 feet)	41,029 16	
Furniture	1,791 30	
Books	1,200 00	
	<hr/>	44,020 46
George W. Durell Schoolhouse, land (13,883 feet) and building	19,000 00	
Furniture	720 00	
Books	500 00	
	<hr/>	20,220 00
Highland Schoolhouse, land (23,260 feet) and building	58,000 00	
Furniture	2,560 00	
Books	2,800 00	
	<hr/>	63,360 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	78,200 00	
Furniture	2,340 00	
Books	2,100 00	
	<hr/>	82,640 00
Latin High Schoolhouse	112,061 29	
Furniture	2,700 00	
Philosophical apparatus	500 00	
Books	3,300 00	
	<hr/>	118,561 29
Lincoln Schoolhouse, land (17,662 feet) and building	17,500 00	
Furniture	720 00	
Books	500 00	
	<hr/>	18,720 00
Luther V. Bell Schoolhouse, land (22,262 feet) and building	46,496 63	
Furniture	2,400 00	
Books	2,400 00	
	<hr/>	51,296 63
Martin W. Carr Schoolhouse, land (21,530 feet) and building	51,410 00	
Furniture	2,800 00	
Books	2,800 00	
	<hr/>	57,010 00
Morse Schoolhouse, land (29,000 feet) and building	45,859 00	
Furniture	2,340 00	
Books	2,800 00	
	<hr/>	50,999 00
Martha Perry Lowe Schoolhouse, land (21,650 feet) and building	50,346 16	
Amounts carried forward	\$50,346 16	\$1,556,224 54

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 29

Amounts brought forward	\$50,346 16	\$1,556,224 54
Furniture	1,480 00	.
Books	800 00	
		<hr/>
O. S. Knapp Schoolhouse, land (24,517 feet) and building	48,000 00	52,626 16
Furniture	2,540 00	
Books	3,000 00	
		<hr/>
Prescott Schoolhouse, land (22,000 feet) and building	64,000 00	53,540 00
Furniture	2,260 00	
Books	2,700 00	
		<hr/>
Prospect-hill Schoolhouse, land (23,733 feet) and building . . . . .	.	68,960 00
Benjamin G. Brown Schoolhouse, land (26,733 feet) and building	15,000 00	
Furniture	62,861 17	
Books	1,290 16	
	700 00	
		<hr/>
Sanford Hanscom Schoolhouse, land (16,767 feet) and building	72,210 46	64,851 33
Furniture	1,080 00	
Books	500 00	
		<hr/>
Clark W. Bennett Schoolhouse, land (19,107 feet) and building	58,068 32	73,790 46
Furniture	2,180 00	
Books	1,000 00	
		<hr/>
William H. Hodgkins Schoolhouse, land (47,379 feet) and building	73,250 70	61,248 32
Furniture	2,400 00	
Books	2,300 00	
		<hr/>
S. Newton Cutler Schoolhouse, land (53,729 feet)	18,928 94	77,950 70
Building (partly completed)	8,761 09	
		<hr/>
Industrial School for Girls, land (8,850 feet)	4,300 00	27,690 03
Building	5,037 72	
Equipment	211 02	
		<hr/>
City Stables, dwelling houses and 462,623 feet of land	95,350 12	9,548 74
Health Department, shed	1,189 79	
Incinerator	2,704 01	
Equipments for highway repairs	21,690 00	
Watering carts and sheds	5,000 00	
Spraying machine	1,289 00	
		<hr/>
Water Works, land and buildings (93,500 feet)		127,222 92
No. 1 Fire Station, land (8,937 feet) and building	33,200 00	32,000 00
		<hr/>
Amounts carried forward	\$33,200 00	\$2,220,653 20

Amounts brought forward	\$33,200 00	\$2,220,653 20
Engine No. 2 and apparatus	4,000 00	
Hose wagon No. 1 and apparatus	1,500 00	
Furniture	400 00	
	<hr/>	39,100 00
No. 2 Fire Station, land (5,500 feet) and building	10,400 00	
Furniture	400 00	
Hose wagon No. 2 and apparatus	1,500 00	
	<hr/>	12,300 00
No. 3 Fire Station, land (13,700 feet) and building	55,743 18	
Furniture	400 00	
Hose wagon No. 3 and apparatus	1,500 00	
Hook and ladder truck and apparatus	3,400 00	
Engine No. 3	5,375 00	
Combination hose and chemical	2,250 00	
	<hr/>	68,668 18
No. 4 Fire Station, land (9,100 feet) and building	15,500 00	
Furniture	400 00	
Engine No. 4 and apparatus	4,000 00	
Combination wagon and apparatus	2,500 00	
	<hr/>	22,400 00
No. 5 Fire Station, land (39,000 feet) and building	16,500 00	
Furniture	400 00	
Hose wagon No. 5 and apparatus	1,500 00	
	<hr/>	18,400 00
No. 6 Fire Station, land (8,113 feet) and building	17,600 00	
Furniture	600 00	
Apparatus	10,265 45	
Combination hose and chemical	2,250 00	
	<hr/>	30,715 45
Hook and Ladder Station No. 2, land (9,903 feet) and building	14,100 00	
Furniture	1,200 00	
Apparatus	12,458 37	
	<hr/>	27,758 37
Central Fire Station, land (11,738 feet) and building	36,700 00	
Furniture	500 00	
Engine No. 1 and apparatus	4,000 00	
Hose wagon and apparatus	2,000 00	
Two relief hose carriages	1,000 00	
One relief hook and ladder	400 00	
Chemical Engine A and equipment	2,498 53	
	<hr/>	47,098 53
Fire Alarm and Police Signal apparatus		36,610 00
Police Station, land (15,225 feet) and building	54,000 00	
Furniture	3,000 00	
Vault	2,851 80	
	<hr/>	
Amounts carried forward	\$59,851 80	\$2,523,703 73

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 31

Amounts brought forward	\$59,851 80	\$2,523,703 73
Ambulance and patrol auto (paid on account)	2,000 00	
		61,851 80
City Home, Broadway, land (421,646 feet) and buildings	36,807 64	
Furniture	1,426 09	
		38,233 73
Contagious and Tuberculosis Hospital buildings	28,499 55	
Land (88,364 feet)	15,600 00	
		44,099 55
Bath House		3,730 24
Water Works		938,607 01
Sewers		1,255,866 10
Prospect street, land (7,918 feet) and building		6,800 00
Broadway Park (cost \$212,993.20) (700,000 square feet)	\$270,000 00	
Park Buildings	2,726 89	
		272,726 89
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet)		68,000 00
Lincoln Park, Washington street (288,764 square feet)	\$63,200 00	
Out-door Gymnasium	800 00	
Park Building	2,758 69	
		66,758 69
Prospect-hill Park (94,503 feet)	\$67,511 75	
Historical Building and Observatory	9,119 55	
		76,631 30
Franklin Park (40,000 feet)		12,000 00
Powder-house Boulevard (200,618 square feet) and building		22,500 00
Joy street, land (2,700 feet)		500 00
Broadway, land (10,890 feet)		2,300 00
Webster avenue, land (10,000 feet)		2,500 00
Holland street, land (217,800 feet)		35,500 00
Gravel land in Waltham (about 30 acres)		10,234 17
Recreation Field, Alewife Brook		26,625 32
Clarendon-hill ledge		8,500 00
Oliver street, land (40,500 feet)		18,000 00
Beacon street, land (10,000 feet)		2,800 00
Passageway on Putnam street (1,135 feet)		400 00
Stand Pipe lot (17,176 feet)		5,100 00
Glen street, land (6,370 feet)		2,300 00
Somerville avenue, land (305 feet)		300 00
Broadway, junction Main street, land (1,260 feet)		900 00
Joy-street playground (20,000 feet)		9,750 00
Polling Booths		1,783 14
Total amount of public property		\$5,519,001 67

OUTSTANDING BONDS, JANUARY 1, 1912.

TABLE B.

ISSUE.	Rate per cent. of Interest.	Water.	Paving (Outside of limit) Chap. 153, Acts 1892.	Met. Park Assessment. (Outs' e), Chap. 325, Acts 1902.	Lowell Street Bridge.	Sewer.	Sewer (Outside of limit) Chap. 357, Acts 1895.	City.	Total.
July 1, 1888	4	\$7,000	.....	.....	.....	.....	.....	.....	\$7,000
Oct. 1, 1889	4	19,000	.....	.....	.....	.....	.....	.....	19,000
Oct. 1, 1890	4	18,000	.....	.....	.....	.....	.....	.....	18,000
Oct. 1, 1892	4	.....	\$5,000	.....	.....	.....	.....	.....	5,000
July 1, 1894	4	.....	.....	.....	.....	\$3,000	.....	\$18,000	21,000
July 1, 1895	4	.....	.....	.....	.....	.....	\$42,000	53,000	95,000
July 1, 1896	4	.....	.....	.....	.....	.....	.....	35,000	35,000
July 1, 1897	4	.....	.....	.....	.....	11,000	.....	24,000	35,000
July 1, 1898	4	.....	.....	.....	.....	12,000	.....	35,000	47,000
July 1, 1899	4	.....	.....	.....	.....	.....	.....	26,000	26,000
July 2, 1900	3½	.....	.....	.....	.....	.....	.....	37,000	37,000
July 1, 1901	3½	.....	.....	.....	.....	20,000	.....	40,000	60,000
July 1, 1902	3½	.....	.....	\$18,000	.....	16,000	.....	38,000	72,000
July 1, 1903	4	.....	.....	.....	.....	17,000	.....	58,000	75,000
Oct. 1, 1903	4	.....	.....	.....	.....	.....	.....	24,000	24,000
July 1, 1904	4	.....	.....	.....	.....	18,000	.....	49,000	67,000
April 1, 1905	3½	.....	.....	.....	.....	24,000	.....	64,000	88,000
July 1, 1906	4	.....	.....	.....	.....	15,000	.....	40,000	55,000
April 1, 1907	4	.....	.....	.....	.....	52,000	.....	94,000	146,000
April 1, 1908	4	.....	.....	.....	.....	27,000	.....	59,000	86,000
April 1, 1909	3½	.....	.....	.....	\$38,000	28,000	.....	98,000	164,000
April 1, 1910	4	.....	.....	.....	.....	29,000	.....	120,000	149,000
April 1, 1911	4	.....	.....	.....	.....	20,000	.....	168,000	188,000
		\$44,000	\$5,000	\$18,000	\$38,000	\$292,000	\$42,000	\$1,080,000	\$1,519,000

BONDS DUE IN 1912.

ISSUE.	Rate per cent. of Interest.	City.	Sewer.	Sewer (Outside of limit) Chap. 367, Acts 1895.	Water.	Paving (Outside of limit) Chap. 153, Acts 1892.	Metropolitan Park Assessment (Outside) Chap. 325, Acts 1902.	Lowell Street Bridge.	Total.
July 1, 1888	4	.....	.....	.....	\$1,000	.....	.....	.....	\$1,000
Oct. 1, 1889	4	.....	.....	.....	3,000	.....	.....	.....	3,000
Oct. 1, 1890	4	.....	.....	.....	2,000	.....	.....	.....	2,000
Oct. 1 1892	4	.....	.....	.....	.....	\$5,000	.....	.....	5,000
July 1, 1894	4	\$6,000	\$1,000	\$3,000	.....	.....	.....	.....	7,000
July 1, 1895	4	14,000	.....	.....	.....	.....	.....	.....	17,000
July 1, 1896	4	7,000	.....	.....	.....	.....	.....	.....	7,000
July 1, 1897	4	4,000	1,000	.....	.....	.....	.....	.....	5,000
July 1, 1898	4	5,000	1,000	.....	.....	.....	.....	.....	6,000
July 1, 1899	4	4,000	.....	.....	.....	.....	.....	.....	4,000
July 2, 1900	3 1/2	5,000	.....	.....	.....	.....	.....	.....	5,000
July 1, 1901	3 1/2	4,000	1,000	.....	.....	.....	\$1,000	.....	11,000
July 1, 1902	3 1/2	9,000	1,000	.....	.....	.....	.....	.....	10,000
July 1, 1903	4	2,000	1,000	.....	.....	.....	.....	.....	2,000
Oct. 1, 1903	4	.....	.....	.....	.....	.....	.....	.....	9,000
July 1, 1904	4	8,000	1,000	.....	.....	.....	.....	.....	10,000
April 1, 1905	3 1/2	9,000	1,000	.....	.....	.....	.....	.....	10,000
July 1, 1906	4	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1907	4	11,000	2,000	.....	.....	.....	.....	.....	13,000
April 1, 1908	4	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1909	3 1/2	11,000	1,000	.....	.....	.....	.....	\$1,000	13,000
April 1, 1910	4	10,000	1,000	.....	.....	.....	.....	.....	11,000
April 1, 1911	4	14,000	1,000	.....	.....	.....	.....	.....	15,000
		\$146,000	\$15,000	\$3,000	\$6,000	\$5,000	\$1,000	\$1,000	\$177,000

Recapitulation.

City Loan Bonds	\$1,080,000 00	
Sewer Loan Bonds	292,000 00	
Lowell Street Bridge Loan Bonds	38,000 00	
<hr/>		
Total amount of Funded Debt within the limit provided by law		\$1,410,000 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895	\$42,000 00	
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892	5,000 00	
Metropolitan Park Assessment Loan Bonds, issued under Chapter 325, Acts of 1902	18,000 00	
<hr/>		
Total amount of Funded Debt outside the limit allowed by law, issued under special acts		65,000 00
Water Loan Bonds		44,000 00
		<hr/>
		<u>\$1,519,000 00</u>

Borrowing Capacity.

Valuation, 1909	\$53,658,953 20	
Supplementary	226,800 00	
<hr/>		\$63,885,753 20
Valuation, 1910	\$66,376,338 70	
Supplementary	623,200 00	
<hr/>		66,999,538 70
Valuation, 1911	\$67,284,066 00	
Supplementary	483,000 00	
<hr/>		67,767,066 00
		<hr/>
		\$198,652,357 90
Abatements, 1909	\$537,100 00	
1910	731,100 00	
1911	374,500 00	
<hr/>		1,642,700 00
		<hr/>
		\$197,009,657 90
Average, three years	1-3	65,669,885 96
	2½%	1,641,747 15
Amount within the limit		1,410,000 00
Borrowing capacity January 1, 1912		231,747 15
Maturities April 1	\$70,000 00	
Maturities July 1	\$95,000 00	
Less outside limit	5,000 00	
<hr/>		90,000 00
Maturities October 1	\$12,000 00	
Less outside limit	10,000 00	
<hr/>		2,000 00
		<hr/>
Maturing during the year within the limit		162,000 00
		<hr/>
		<u>\$393,747 15</u>

TABLE C.—GENERAL ACCOUNTS AND BALANCES.

Cash.

RECEIPTS.

Balance from 1910		\$107,788 97
Board of Aldermen Expenses	\$12 00	
Treasury Department	4,191 43	
City Clerk's Department	5,722 24	
Engineering Department	165 00	
Maintenance Municipal Buildings	33 95	
Police Department	3,370 45	
Fire Department	1,198 14	
Maintenance Fire Buildings	5 00	
Sealing Weights and Measures	516 28	
Electrical Department	271 00	
Health Department	269 20	
Inspection of Milk and Vinegar	551 50	
Contagious Disease Hospital	2,642 95	
Tuberculosis Hospital	773 21	
Sewers, Construction	27 43	
Sewers, Maintenance	767 96	
Refuse and Garbage Disposal	10,039 45	
Maintenance Refuse and Garbage Buildings,	1 00	
Highways, Construction	271 44	
Highways, Maintenance	28,255 47	
Highways, Paved Gutters and Crossings	27 20	
Sidewalks, Construction	22 19	
Sidewalks, Maintenance	43 71	
Street Sprinkling	58 00	
Maintenance Highway Buildings	240 00	
Support of Poor:—		
Miscellaneous	2,657 69	
City Home	5,051 62	
Soldiers' Relief	175 00	
State Aid	28 00	
School Contingent	571 85	
Maintenance School Buildings	197 85	
Central Library	902 20	
West Somerville Branch Library	501 53	
Library Trust Funds, Martha R. Hunt Fund	15,000 00	
Library Trust Funds, Income	712 18	
Engineering Department, Parks Maintenance	275 00	
Somerville Field	1,007 79	
Maintenance Bathhouse	701 69	
Contingent Fund	59 00	
Interest	12,172 42	
Reduction of Funded Debt	7,722 36	
Water, Maintenance	23,533 44	
Water Works Extension	30 45	
Water Service Assessments	4,200 44	
Water Works Income	210,587 82	
Taxes, 1905	75 20	
1906	36 80	
1907	45 50	
1908	89 36	

Amounts carried forward	\$345,811 39	\$107,788 97
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Amounts brought forward	\$345,811 39	\$107,788 97
1909	1,230 94	
1910	268,258 11	
1911	1,098,764 80	
Metered Water Charges	15,801 20	
Highway Betterment Assessments	4,985 89	
Sidewalk Assessments	14,191 37	
Sewer Assessments	952 64	
Grade Crossings	102,814 35	
Sundry Persons	178 43	
Commonwealth of Massachusetts	1,661 99	
County of Middlesex	4,699 82	
Redemption of Tax Liens	1,165 19	
Temporary Loans	750,000 00	
Funded Debt	188,000 00	
	<hr/>	\$2,798,516 12
		<hr/>
		\$2,906,305 09

PAYMENTS.

Board of Aldermen Expenses	\$1,110 92
Clerk of Committees and Departments	4,269 13
Executive Department	4,398 94
Auditing Department	1,078 46
Treasury Department	13,177 23
Assessors' Department	10,751 76
City Clerk's Department	7,741 14
Law Department	2,367 61
City Messengers' Department	1,896 62
Engineering Department	11,649 63
Commissioner Public Buildings	4,502 09
Maintenance Municipal Buildings	5,657 93
City Hall, Additional Accommodations	2,313 42
Election Expenses:—	
City Clerk	1,280 68
Registrars of Voters	2,155 10
Pay of Election Officers	2,512 00
Polling Places	648 77
Police Department	95,975 27
Maintenance Police Buildings	2,488 64
Police Department, Additional Equipment	2,000 00
Police Building, Vault	2,851 80
Fire Department	90,742 52
Maintenance Fire Buildings	5,294 95
Militia	500 00
Sealing Weights and Measures	2,277 04
Electrical Department	8,774 44
Electrical Department, Underground Con- struction	3,192 00
Gypsy and Brown-tail Moth Extermination,	3,253 43
Elm-leaf Beetle Extermination	713 98
Care of Trees	3,558 17
Care of Trees, Additional Equipment	1,289 00
Health Department	9,729 77
Inspection of Animals and Provisions	1,234 03
Inspection of Milk and Vinegar	1,487 99
Inspection of School Children	1,508 00
Vital Statistics	2,197 40
Amount carried forward	<hr/>
	\$316,579 86

Amount brought forward	\$316,579 86
Contagious Disease Hospital	10,258 27
Maintenance Contagious Disease Hospital	2,699 13
Tuberculosis Hospital Construction	4,850 58
Tuberculosis Hospital	2,653 76
Maintenance Tuberculosis Hospital	2,181 68
Sewers, Construction	10,934 30
Sewers, Maintenance	13,767 51
Maintenance Sewer Buildings	92 13
Refuse and Garbage Disposal	79,128 37
Maintenance Refuse and Garbage Buildings,	739 12
Incinerator Building	1,678 89
Highways, Street Cleaning	22,929 92
Highways, Construction	51,870 71
Highways, Maintenance	64,163 97
Highways, Paved Gutters and Crossings	11,593 31
Sidewalks, Construction	44,170 03
Sidewalks, Maintenance	4,697 79
Street Sprinkling	31,636 47
Street Lighting	54,508 64
Maintenance Highway Buildings	839 86
Lowell Street Bridges	300 00
Support of Poor, Miscellaneous	16,327 56
Support of Poor, City Home	7,842 03
Maintenance City Home Buildings	1,696 79
City Home Addition	16 57
Somerville Hospital	5,000 00
Soldiers' Relief	24,140 19
Military Aid	828 00
State Aid	16,246 00
Soldiers' Burials	481 00
School Contingent	32,094 28
School Teachers' Salaries	293,267 30
Maintenance School Buildings	65,128 56
Bennett School Addition	800 00
Martin W. Carr School, Land Addition	7,110 00
Davis School, Vocational Equipment	3,734 57
William H. Hodgkins School Addition	3,950 70
Industrial School for Girls	2,637 72
Schoolhouse in Ward Seven	27,690 03
Schoolhouses, Additional Window Space	1,495 54
Central Library	21,852 02
Library Trust Funds, Martha R. Hunt	
Fund, Investment	15,000 00
Maintenance Central Library	3,782 19
West Somerville Branch Library	5,501 53
Maintenance West Somerville Branch Li- brary	1,640 74
Ward One Branch Library	867 28
Union Square Branch Library	184 45
Library Trust Funds, Income	57 37
Parks, Maintenance	8,174 75
Maintenance Park Buildings	297 11
Playgrounds, Maintenance	3,400 63
Park Buildings, Broadway and Lincoln Parks	1,962 82
Recreation Field, Alewife Brook	19,925 32
Summer Playgrounds	1,597 97
Amount carried forward	\$1,327,005 32

Amount brought forward	\$1,327,005 32	
Maintenance Bathhouse	2,152 92	
Memorial Day	425 00	
Independence Day	500 00	
Municipal Documents	1,890 36	
Contingent Fund	44 75	
Interest	29,540 33	
Reduction of Funded Debt	169,200 00	
Water, Maintenance	50,737 37	
Water Works Extension	14,970 34	
Refunds of Water Charges	475 48	
Maintenance Water Buildings	806 33	
Overlay and Abatement	6 55	
Grade Crossings	108,368 30	
Coupons	49,667 50	
Sundry Persons	127 20	
Commonwealth of Massachusetts	229,301 37	
County of Middlesex	59,591 69	
Redemption of Tax Liens	1,165 19	
Temporary Loans	750,000 00	
	<hr/>	
	\$2,795,976 00	
Balance to debit of account, 1912	110,329 09	
	<hr/>	
		\$2,906,305 09

Taxes.

CREDIT.

Receipts:—		
Cash, received for taxes of 1905	\$75 20	
“ “ “ “ 1906	36 80	
“ “ “ “ 1907	45 50	
“ “ “ “ 1908	89 36	
“ “ “ “ 1909	1,230 94	
“ “ “ “ 1910	268,258 11	
“ “ “ “ 1911	1,098,764 80	
	<hr/>	
		\$1,368,500 71
Overlay and Abatement:—		
Abatements on taxes of 1904	\$252 24	
“ “ “ “ 1905	187 36	
“ “ “ “ 1906	369 82	
“ “ “ “ 1907	579 52	
“ “ “ “ 1908	953 32	
“ “ “ “ 1909	1,202 62	
“ “ “ “ 1910	7,915 75	
“ “ “ “ 1911	7,644 30	
	<hr/>	
		19,104 93
Balance to debit of account, 1912:—		
Being uncollected taxes of 1898	\$408 12	
“ “ “ “ 1899	306 44	
“ “ “ “ 1900	297 60	
“ “ “ “ 1901	324 36	
“ “ “ “ 1902	334 56	
“ “ “ “ 1903	364 64	
“ “ “ “ 1904	585 84	
“ “ “ “ 1905	424 56	
“ “ “ “ 1906	424 18	
“ “ “ “ 1907	445 05	
	<hr/>	
Amounts carried forward	\$3,915 35	\$1,387,605 64

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 39

Amounts brought forward	\$3,915 35	\$1,387,605 64
Being uncollected taxes of 1908	1,134 81	
“ “ “ “ 1909	2,658 87	
“ “ “ “ 1910	5,433 30	
“ “ “ “ 1911	269,361 12	
		282,503 45
Real Estate Liens, tax of 1905 on Charlton estate		9 15
		<u>\$1,670,118 24</u>

DEBIT.

Balance from 1910	\$291,943 18	
Tax Levy, as per assessors' warrant of August 10, 1911	1,366,240 92	
Supplementary warrants, amounts credited to Overlay and Abatement account	9,529 30	
Real Estate Liens, amounts brought back	2,404 84	
		<u>\$1,670,118 24</u>

Overlay and Abatement.

CREDIT.

Balance from 1910	\$21,204 87	
Taxes, amount of overlay from assessors' warrant	11,260 80	
Amount of assessors' supplementary warrants, 1911	9,529 30	
		<u>\$41,994 97</u>
Reduced by the following transfers:—		
Contagious Disease Hospital account	\$850 00	
Refuse and Garbage Disposal account	1,725 00	
		<u>2,575 00</u>
		<u>\$39,419 97</u>
Balance to credit of account, 1912	20,308 49	
		<u>\$19,111 48</u>

DEBIT.

Taxes, amount of abatements	\$19,104 93	
Cash, paid sundry persons, money re-funded	6 55	
		<u>\$19,111 48</u>

Real Estate Liens.

CREDIT.

Carried back into Taxes:—

Tax of 1898, City of Cambridge	\$408 12	
“ “ 1899, “ “ “	306 44	
“ “ 1900, “ “ “	297 60	
“ “ 1901, “ “ “	324 36	
“ “ 1902, “ “ “	334 56	
“ “ 1903, “ “ “	364 64	
“ “ 1904, “ “ “	364 64	
“ “ 1904, Butler and Robinson	4 48	
		<u>\$2,404 84</u>
Balance to debit of account, 1912	631 83	
		<u>\$3,036 67</u>

DEBIT.

Balance from 1910	\$3,027 52	
Taxes, tax of 1905 on Charlton estate	9 15	
	<hr/>	\$3,036 67

Metered Water Charges.

CREDIT.

Cash, received of sundry water takers	\$15,801 20	
Water Works Income account, abatement	17 90	
	<hr/>	\$15,819 10
Balance to debit of account, 1912		16,459 80
		<hr/>
		\$32,278 90

DEBIT.

Balance from 1910	\$15,819 10	
Last quarter, district No. 1, uncollected	16,459 80	
	<hr/>	\$32,278 90

Highway Betterment Assessments.

CREDIT.

Cash, received of sundry persons	\$4,985 89	
Lowell Street Bridges account, abatements	800 00	
Balance to debit of account, 1912	2,604 14	
	<hr/>	\$8,390 03

DEBIT.

Balance from 1910	\$5,519 80	
Highways Construction account, assessments levied	2,870 23	
	<hr/>	\$8,390 03

Sidewalk Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons	\$14,191 37	
Balance to debit of account, 1912	13,101 95	
	<hr/>	\$27,293 32

DEBIT.

Balance from 1910	\$5,278 18	
Sidewalks Construction account, assessments levied	\$22,032 88	
Less abatements	17 74	
	<hr/>	22,015 14
		<hr/>
		\$27,293 32

Sewer Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons	\$952 64	
Balance to debit of account, 1912	4,872 53	
	<hr/>	\$5,825 17

DEBIT.

Balance from 1910	\$2,374 03	
Sewers Construction account, assessments levied	3,451 14	
		<u>\$5,825 17</u>

Grade Crossings.

CREDIT.

Receipts:—

Cash, received of Commonwealth of Massachusetts, sixth decree of court, Somerville avenue	\$6,454 47	
Boston & Maine Railroad, sixth decree of court, Somerville avenue	17,603 10	
West End Street Railway Co., sixth decree of court, Somerville avenue	3,814 00	
Boston & Albany Railroad, sixth decree of court, Somerville avenue	1,466 93	
Commonwealth of Massachusetts, second decree of court, Medford street	25,743 82	
Boston & Maine Railroad, second decree of court, Medford street	35,499 58	
West End Street Railway Co., second decree of court, Medford street	12,232 45	
		<u>\$102,814 35</u>
Balance to debit of account, 1912		39,314 11
		<u>\$142,128 46</u>

DEBIT.

(Expenditures.)

Balance from 1910		\$33,760 16
Cash, paid H. S. Angus & Son, making estimates	\$15 00	
Roman Catholic Archbishop of Boston, settlement on Webster avenue	5,750 00	
Louis S. Bettencourt, settlement for damages to estate	200 00	
Edward A. Binney, appraising	20 00	
James J. Barron, watchman	18 00	
S. Adams Clark and Lucy E. Wright, settlement of claim	2,700 00	
James E. Dennison, settlement of claim	2,800 00	
Mary Dorney, settlement of claim	500 00	
Charlotte E. Dennett, settlement of claim	1,225 00	
Catherine Fitzgerald, settlement of claim	5,514 00	
Robert Franke, settlement of claim	2,200 00	
Anne Fitzpatrick, settlement of claim	125 00	
Annie Graham, settlement of claim	1,650 00	
Devises of Magdalene Hunzelman, settlement of claim	1,700 00	
William B. Holmes, settlement of claim, George D. Haven, settlement of claim	3,000 00	
William A. and Harrison M. Hutchins, settlement of claim	150 00	
	500 00	
		<u>\$28,067 00</u>
Amounts carried forward		<u>\$33,760 16</u>

Amounts brought forward	\$28,067 00	\$33,760 16
John Jones, settlement of claim	5,250 00	
Junia M. Jameson, settlement of claim	5,900 00	
Eugene H. Jones, photographs	27 00	
James Kenney, settlement of claim	650 00	
Frank W. Kaan, services and expenses as special counsel	2,875 26	
Cornelius Linnehan, settlement of claim,	6,031 19	
Julia F. Moloney, et al., settlement of claim	2,650 00	
Annie W. McLean, settlement of claim	3,750 00	
J. Edward L. McLean, appraising	1,552 85	
John Martell and Mary Boudreau, settle- ment of claim	200 00	
Alfred Miller, settlement of claim	1,500 00	
William H. Monroe, settlement of claim,	150 00	
John E. O'Riley, settlement of claim	460 00	
Joanna O'Brien, settlement of claim	2,400 00	
Antonio R. Preiva, settlement of claim	975 00	
Daniel W. Page, et al., settlement of claim	16,600 00	
Caleb A. Page, et al., settlement of claim	1,400 00	
Caleb A. Page, et al., settlement of claim	2,500 00	
Caleb A. Page, et al., settlement of claim	2,500 00	
Franklin F. Roundy, Agent, settlement of claim	2,050 00	
St. Joseph's School, settlement of claim,	12,750 00	
James J. Sullivan, settlement of claim	475 00	
John P. Sullivan, settlement of claim	375 00	
Richard H. Sturtevant, settlement of claim	900 00	
Somerville Co-operative Bank, settle- ment of claim	1,550 00	
Mary F. Smith, settlement of claim	350 00	
Anna P. Vinal, et al., settlement of claim,	1,850 00	
Harry Van Iderstine, appraising	30 00	
Alice A. Wilson, settlement of claim	2,600 00	
		108,368 30
		<u>\$142,128 46</u>

Overplus on Tax Sales.

	CREDIT.	
Balance from 1910		\$118 13
	DEBIT.	
Balance to credit of account, 1912		<u>\$118 13</u>

Sundry Persons.

	CREDIT.	
Balance from 1910		\$699 65
Cash, received of sundry persons		178 43
		<u>\$878 08</u>

DEBIT.

Cash, Taxes of 1911	\$127 20	
Balance to credit of account, 1912	750 88	
		<u>\$878 08</u>

Coupons.

CREDIT.

Balance of coupons unpaid January 1, 1911		\$13,675 00
Coupons maturing April 1, 1911:—		
Water Loan, \$20,000, six months at 4 per cent.	\$400 00	
Sewer Loan, \$1,000, six months at 4½ per cent.	22 50	
Sewer Loan, \$56,000, six months at 4 per cent.	1,120 00	
Sewer Loan, \$24,000, six months at 3½ per cent.	420 00	
Paving Loan, \$10,000, six months at 4 per cent.	200 00	
City Loan, \$300,000, six months at 4 per cent.	6,000 00	
City Loan, \$109,000, six months at 3½ per cent.	1,907 50	
Bridge Loan, \$34,000, six months at 3½ per cent.	595 00	
		<u>10,665 00</u>
Coupons maturing July 1, 1911:—		
City Loan, \$123,000, six months at 3½ per cent.	\$2,152 50	
City Loan, \$358,000, six months at 4 per cent.	7,160 00	
Sewer Loan, \$36,000, six months at 3½ per cent.	630 00	
Sewer Loan, \$121,000, six months at 4 per cent.	2,420 00	
Metropolitan Park Assessment Loan, \$17,000, six months at 3½ per cent.	297 50	
Water Loan, \$8,000, six months at 4 per cent.	160 00	
		<u>12,820 00</u>
Coupons maturing October 1, 1911:—		
City Loan, \$408,000, six months at 4 per cent.	\$8,160 00	
City Loan, \$98,000, six months at 3½ per cent.	1,715 00	
Sewer Loan, \$1,000, six months at 4½ per cent.	22 50	
Sewer Loan, \$72,000, six months at 4 per cent.	1,440 00	
Sewer Loan, \$23,000, six months at 3½ per cent.	402 50	
Bridge Loan, \$33,000, six months at 3½ per cent.	577 50	
Paving Loan, \$10,000, six months at 4 per cent.	200 00	
Water Loan, \$20,000, six months at 4 per cent.	400 00	
		<u>12,917 50</u>
Amount carried forward		<u>\$50,077 50</u>

Amount brought forward		\$50,077 50
Coupons maturing January 1, 1912:—		
City Loan, \$281,500, six months at 4 per cent.	\$5,630 00	
City Loan, \$105,000, six months at 3½ per cent.	1,837 50	
Sewer Loan, \$108,000, six months at 4 per cent.	2,160 00	
Sewer Loan, \$35,000, six months at 3½ per cent.	612 50	
Metropolitan Park Assessment Loan, \$17,000, six months at 3½ per cent.	297 50	
Water Loan, \$7,000, six months at 4 per cent.	140 00	
	<hr/>	10,677 50
		<hr/>
		\$60,755 00

DEBIT.

Cash, paid coupons	\$49,667 50	
Coupons of 1911 unpaid	11,087 50	
	<hr/>	\$60,755 00
		<hr/>

Commonwealth of Massachusetts.

CREDIT.

State Tax		\$93,335 00
National Bank Tax		1,576 40
Metropolitan Sewer Tax:—		
Sinking Fund Requirements	\$14,931 20	
Interest	27,159 34	
Maintenance	22,160 32	
	<hr/>	64,250 86
Metropolitan Park Tax:—		
Sinking Fund Requirements	\$5,030 06	
Interest	14,205 35	
Maintenance	18,497 03	
Serial Bond Requirements	64 82	
	<hr/>	37,797 26
Grade Crossings Tax:—		
Assessment	\$5,333 61	
Interest	1,381 48	
	<hr/>	6,715 09
Wellington Bridge Tax:—		
Maintenance		813 98
Metropolitan Water Assessment, 1911:—		
Sinking Fund Requirements	\$25,424 55	
Interest	69,849 26	
Maintenance and Operation	19,573 82	
Serial Bond Requirements	246 66	
	<hr/>	115,094 29
Charles River Basin:—		
Sinking Fund Requirements	\$2,792 25	
Interest	10,056 77	
Maintenance	2,581 74	
Serial Bond Requirements	200 64	
	<hr/>	15,631 40
		<hr/>
Amount carried forward		\$335,214 28

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Amount brought forward		\$335,214 28
Alewife Brook:—		
Assessment	\$750 00	
Interest	151 67	
		901 67
State Highway Tax		58 00
Abatement of smoke in Boston and vicinity		197 91
		<u>\$336,371 86</u>

DEBIT.

Support of Poor, Miscellaneous	\$1,030 62	
Contagious Disease Hospital	1,108 57	
Health Department	82 00	
School Contingent	529 55	
Tuberculosis Hospital	284 00	
Public Service, 1910	\$196 04	
Public Service, 1911	10,132 32	
	<u>\$10,328 36</u>	
Less paid back 1910 tax	289 78	
		10,038 58
Corporation Tax, Business:—		
1910	\$355 37	
1911	15,132 95	
	<u>\$15,488 32</u>	
Less paid back 1910 tax	2,718 08	
		12,770 24
National Bank Tax	4,380 31	
Boston Elevated Railway Tax	10,000 74	
Street Railway Tax	\$52,254 94	
Less overpayment 1910 tax	1,418 06	
		50,836 88
State Aid, 1910	16,689 00	
Soldiers' Burials, 1910	592 00	
Military Aid, 1910	376 50	
Fees for collecting National Bank Tax	13 49	
	<u>\$108,732 48</u>	
Less amount received in cash	1,661 99	
		\$107,070 49
Paid balance due March 31, 1911	1,583 09	
Paid balance due November 15, 1911	226,300 22	
Paid balance due December 4, 1911	1,418 06	
		<u>\$336,371 86</u>

County of Middlesex.

CREDIT.

Taxes, 1911, county tax		\$59,591 69
Receipts:—		
Cash, received of J. O. Hayden, county treasurer, rent of court room	\$750 00	
return on amount received of the city for dog licenses	3,949 82	
		4,699 82
Amount carried forward		<u>\$64,291 51</u>

Amount brought forward		\$64,291 51
Amounts transferred:—		
Maintenance Police Buildings account	\$750 00	
Central Library account	3,949 82	
		<u>4,699 82</u>
		\$59,591 69

DEBIT.

(Expenditures.)

Cash, paid county tax		<u>\$59,591 69</u>
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Redemption of Tax Liens.

CREDIT.

Receipts:—		
Cash, received of sundry persons, redemption of tax liens,		\$1,165 19

DEBIT.

(Expenditures.)

Cash, paid sundry persons, redemption of tax liens		<u>\$1,165 19</u>
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Temporary Loans.

CREDIT.

Balance from 1910		\$350,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
City Notes Nos. 48 to 53, 281 days, 3.32 per cent., discounted	\$100,000 00	
City Notes Nos. 54 to 65, 253 days, 3.21 per cent., discounted	200,000 00	
City Notes Nos. 68 to 85, 323 days, 3.56 per cent., discounted	250,000 00	
City Notes Nos. 86 to 91, 264 days, 3.53 per cent., discounted	100,000 00	
City Notes Nos. 92 to 94, 76 days, 3½ per cent., discounted	50,000 00	
City Notes Nos. 95 to 97, 40 days, 3½ per cent., discounted	50,000 00	
		<u>750,000 00</u>
		\$1,100,000 00

DEBIT.

(Expenditures.)

Cash, paid as follows:—		
City Notes Nos. 16 to 24	\$100,000 00	
City Notes Nos. 25 to 33	150,000 00	
City Notes Nos. 39 to 46	100,000 00	
City Notes Nos. 48 to 65	300,000 00	
City Notes Nos. 92 to 97	100,000 00	
		<u>\$750,000 00</u>
Balance to credit of account, 1912	350,000 00	
		<u>\$1,100,000 00</u>

Public Property.

CREDIT.

Balance to debit of account, 1912	\$5,519,001 67
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DEBIT.

Property and Debt Balance, property acquired in 1911	\$95,589 87	
Balance from 1910	5,423,411 80	
		<u>\$5,519,001 67</u>

Funded Debt.

CREDIT.

Funded Debt, January 1, 1911	\$1,500,000 00	
Issue of 1911:—		
City Loan Bonds Nos. 3976 to 4143	\$168,000 00	
Sewer Loan Bonds Nos. 529 to 548	20,000 00	
		<u>188,000 00</u>
		<u>\$1,688,000 00</u>

DEBIT.

Bonds matured in 1911:—		
City Loan Bonds Nos. 1710 to 1715	\$6,000 00	
City Loan Bonds Nos. 1991 to 2000	10,000 00	
City Loan Bond No. Reg. 185	1,000 00	
City Loan Bonds Nos. 2002 to 2004	3,000 00	
City Loan Bonds Nos. 2180 to 2187	8,000 00	
City Loan Bonds Nos. 2336 to 2340	5,000 00	
City Loan Bonds Nos. 2476 to 2480	5,000 00	
City Loan Bonds Nos. 2596 to 2599	4,000 00	
City Loan Bonds Nos. 2736 to 2740	5,000 00	
City Loan Bonds Nos. 2847 to 2853	7,000 00	
City Loan Bond No. Reg. 165	7,000 00	
City Loan Bonds Nos. 2974 to 2975	2,000 00	
City Loan Bonds Nos. 3083 to 3091	9,000 00	
City Loan Bonds Nos. 3244 to 3252	8,000 00	
City Loan Bonds Nos. 3164 to 3165	2,000 00	
City Loan Bond No. Reg. 116	9,000 00	
City Loan Bonds Nos. 3460 to 3464	5,000 00	
City Loan Bond No. Reg. 13	3,000 00	
City Loan Bond No. Reg. 17	6,000 00	
City Loan Bonds Nos. 3547 to 3551	5,000 00	
City Loan Bonds Nos. 3660 to 3666	7,000 00	
City Loan Bonds Nos. 3737 to 3747	11,000 00	
City Loan Bonds Nos. 3846 to 3855	10,000 00	
Sewer Loan Bond No. 53	1,000 00	
Sewer Loan Bond No. 70	1,000 00	
Sewer Loan Bonds Nos. 129 to 131	3,000 00	
Sewer Loan Bond No. 187	1,000 00	
Sewer Loan Bond No. 211	1,000 00	
Sewer Loan Bond No. 233	1,000 00	
Sewer Loan Bond No. Reg. 169	1,000 00	
Sewer Loan Bond No. 236	1,000 00	
Sewer Loan Bond No. 310	1,000 00	
Sewer Loan Bond No. Reg. 134	1,000 00	
Sewer Loan Bond No. 363	1,000 00	
Sewer Loan Bond No. Reg. 21	2,000 00	
Sewer Loan Bond No. 441	1,000 00	
Sewer Loan Bond No. 470	1,000 00	
Sewer Loan Bond No. 499	1,000 00	
Paving Loan Bonds Nos. 91 to 95	5,000 00	
Amount carried forward	\$161,000 00	

Amount brought forward	\$161,000 00	
Water Loan Bond No. 295	1,000 00	
Water Loan Bond No. Reg. 104	3,000 00	
Water Loan Bonds Nos. 428 to 429	2,000 00	
Metropolitan Park Assessment Loan Bond No. Reg. 151	1,000 00	
Lowell Street Bridge Loan Bond No. 2	1,000 00	
	<hr/>	
	\$169,000 00	
Present Funded Debt, balance of account	1,519,000 00	
	<hr/>	
		\$1,688,000 00

Property and Debt Balance.

CREDIT.

Balance from 1910	\$3,923,411 80
Public Property, property acquired in 1911	95,589 87
Funded Debt, bonds matured	169,000 00
	<hr/>
	\$4,188,001 67

DEBIT.

Funded Debt, issue of 1911	\$188,000 00
Balance to credit of account, 1912	4,000,001 67
	<hr/>
	\$4,188,001 67

Excess and Deficiency.

CREDIT.

Balance from 1910	\$7,311 63
Amounts transferred to the following:—	
Municipal Documents	\$1,500 00
Board of Aldermen Expenses	200 00
Health Department	2,000 00
Contagious Disease Hospital	3,000 00
Tuberculosis Hospital	611 63
	<hr/>
	\$7,311 63

CREDIT.

Balances of 1911 accounts:—	
Board of Aldermen Expenses	\$401 08
Clerk of Committees and Departments	430 87
Executive Department	101 06
Auditing Department	21 54
Treasury Department	377 69
Assessors' Department	248 24
City Clerk's Department	1,081 10
Law Department	132 39
City Messenger's Department	3 38
Engineering Department	15 37
Commissioner of Public Buildings	47 91
Maintenance Municipal Buildings	76 02
Election Expenses, Pay of Election Officers	188 00
Police Department	2,084 31
Maintenance Police Buildings	161 36
Maintenance Fire Buildings	10 05
	<hr/>
Amount carried forward	\$5,380 37

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Amount brought forward	\$5,380 37
Sealing Weights and Measures	139 24
Elm-leaf Beetle Extermination	86 02
Inspection of Milk and Vinegar	63 51
Inspection of School Children	42 00
Vital Statistics	102 60
Contagious Disease Hospital	343 25
Maintenance Contagious Disease Hospital	87
Tuberculosis Hospital	215 08
Maintenance Tuberculosis Hospital	18 32
Sewers, Maintenance	45
Maintenance Sewer Buildings	7 87
Refuse and Garbage Disposal	636 08
Maintenance Refuse and Garbage Buildings	11 88
Street Sprinkling	1,965 68
Maintenance Highway Buildings	14
Support of Poor, City Home	209 59
Maintenance City Home Buildings	103 21
School Contingent	7 12
School Teachers' Salaries	1,732 70
Maintenance Central Library	117 81
West Somerville Branch Library	109 26
Parks, Maintenance	25
Maintenance Park Buildings	2 89
Playgrounds, Maintenance	16
Summer Playgrounds	2 03
Municipal Documents	109 64
Contingent Fund	514 25
Interest	873 90
	<hr/>
	\$12,796 17

DEBIT.

Balances of 1911 accounts:—	
Election Expenses:—	
City Clerk	\$30 68
Registrars of Voters	5 10
Fire Department	1,044 38
Electrical Department	3 44
Health Department	178 57
Inspection of Animals and Provisions	9 03
Street Lighting	3,508 64
Support of Poor, Miscellaneous	139 25
Military Aid	14 00
Maintenance School Buildings	2,930 71
	<hr/>
	\$7,863 80
Balance to credit of account, 1912	4,932 37
	<hr/>
	\$12,796 17

Balances.

Cash	\$110,329 09
Election Expenses:—	
City Clerk	30 68
Registrars of Voters	5 10
Fire Department	1,044 38
Electrical Department	3 44
	<hr/>
Amount carried forward	\$111,412 69

Amount brought forward	\$111,412 69	
Health Department	178 57	
Inspection of Animals and Provisions	9 03	
Street Lighting	3,508 64	
Support of Poor, Miscellaneous	139 25	
Military Aid	14 00	
Maintenance School Buildings	2,930 71	
Public Library Trust Funds, Investments	20,414 58	
Taxes, 1898	408 12	
1899	306 44	
1900	297 60	
1901	324 36	
1902	334 56	
1903	364 64	
1904	585 84	
1905	424 56	
1906	424 18	
1907	445 05	
1908	1,134 81	
1909	2,658 87	
1910	5,433 30	
1911	269,361 12	
Real Estate Liens	631 83	
Metered Water Charges	16,459 80	
Highway Betterment Assessments	2,604 14	
Sidewalk Assessments	13,101 95	
Sewer Assessments	4,872 53	
Grade Crossings	39,314 11	
Commonwealth of Massachusetts	17,113 00	
Board of Aldermen Expenses		\$401 03
Clerk of Committees and Departments		430 87
Executive Department		101 06
Auditing Department		21 54
Treasury Department		377 69
Assessors' Department		248 24
City Clerk's Department		1,081 10
Law Department		132 39
City Messenger's Department		3 38
Engineer's Department		15 37
Commissioner of Public Buildings		47 91
Maintenance Municipal Buildings		76 02
Municipal Buildings, Vaults		2,800 00
City Hall, Additional Accommodations		186 58
Election Expenses, Pay of Election Officers		188 00
Police Department		2,084 31
Maintenance Police Buildings		161 36
Police Department, Additional Equipment		2,000 00
Police Building, Vault		148 20
Maintenance Fire Buildings		10 05
Fire Station, Winter Hill		5,000 00
Sealing Weights and Measures		139 24
Electrical Department, Underground Construction		1,077 37
Elm-leaf Beetle Extermination		86 02
Inspection of Milk and Vinegar		63 51
Inspection of School Children		42 00
Vital Statistics		102 60
Contagious Disease Hospital		343 25
Maintenance Contagious Disease Hospital		87
Amounts carried forward	\$515,208 28	\$17,370 01

Amounts brought forward :	\$515,208 28	\$17,370 01
Tuberculosis Hospital		215 08
Maintenance Tuberculosis Hospital		18 32
Sewers, Construction		6,009 76
Sewers, Maintenance		45
Maintenance Sewer Buildings		7 87
Refuse and Garbage Disposal		636 08
Maintenance Refuse and Garbage Buildings		11 88
Incinerator Building		121 11
Highways, Construction		1,733 54
Highways, Maintenance		2,769 90
Sidewalks, Construction		62 38
Street Sprinkling		1,965 68
Maintenance Highway Buildings		14
Lowell Street Bridges		2,407 18
Support of Poor, City Home		209 59
Maintenance City Home Buildings		103 21
City Home Addition		7,983 43
School Contingent		7 12
School Teachers' Salaries		1,732 70
Bennett School Addition		1,190 00
Burns School Addition		778 00
William H. Hodgkins School Addition		5,029 85
Industrial School for Girls		162 28
Schoolhouse in Ward Seven		50,302 52
Schoolhouses, Additional Window Space		404 46
Maintenance Central Library		117 81
Maintenance West Somerville Branch Library		109 26
Ward One Branch Library		132 72
Union Square Branch Library		815 55
Library Trust Funds		20,414 58
Library Trust Funds, Income		873 20
Parks, Maintenance		25
Maintenance Park Buildings		2 89
Playgrounds, Maintenance		16
Recreation Field, Alewife Brook		74 68
Summer Playgrounds		2 03
Municipal Documents		109 64
Contingent Fund		514 25
Building Public Buildings		90 02
Interest		873 90
Reduction of Funded Debt		7,579 80
Overlay and Abatement		20,308 49
Overplus on Tax Sales		118 13
Coupons		11,087 50
Sundry Persons		750 88
Temporary Loans		350,000 00
	<u>\$515,208 28</u>	<u>\$515,208 28</u>

TABLE D.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1911.

Appropriations.

CREDIT.

Taxes, amount assessed for municipal purposes	\$1,039,400 00
Property and Debt Balance, amount provided by issue of bonds	188,000 00
	<u>\$1,227,400 00</u>

DEBIT.

Appropriations from tax levy:—

General Government.

Board of Aldermen Expenses	\$800 00
Clerk of Committees and Departments	4,700 00
Executive Department	4,500 00
Auditing Department	1,100 00
Treasury Department	9,350 00
Assessors' Department	11,000 00
City Clerk's Department	3,100 00
Law Department	2,500 00
City Messenger's Department	1,900 00
Engineering Department	11,500 00
Public Buildings Department, Commis- sioner Public Buildings	4,550 00
Public Buildings Department, Maintenance Municipal Buildings	6,000 00
Election Expenses:—	
City Clerk	1,750 00
Registrars of Voters	2,150 00
Pay of Election Officers	2,700 00
Public Buildings Department, Polling Places	800 00

Total General Government	\$63,400 00
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Protection of Life and Property.

Police Department	\$67,500 00
Public Buildings Department, Maintenance Police Buildings	1,900 00
Fire Department	38,500 00
Public Buildings Department, Maintenance Fire Buildings	5,500 00
Militia	500 00
Sealing of Weights and Measures	1,900 00
Electrical Department	8,500 00

Forestry:—

Gypsy and Brown-tail Moth Extermination,	1,500 00
Elm-leaf Beetle Extermination	800 00

Total Protection of Life and Property	\$126,600 00
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Health and Sanitation.

Health:—

Health Department	\$6,400 00
Inspection of Animals and Provisions	1,225 00
Inspection of Milk and Vinegar	1,000 00
Inspection of School Children	1,550 00
City Clerk's Department, Vital Statistics	2,500 00
Contagious Disease Hospital	1,000 00
Public Buildings Department, Maintenance Contagious Disease Hospital	2,400 00
Tuberculosis Hospital	1,000 00
Public Buildings Department, Maintenance Tuberculosis Hospital	1,200 00

Amounts carried forward	\$18,275 00	\$195,000 00
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Amounts brought forward	\$18,275 00	\$195,000 00
Sanitation:—		
Public Buildings Department, Maintenance		
Sewer Buildings	100 00	
Refuse and Garbage Disposal	50,000 00	
Public Buildings Department, Maintenance		
Refuse and Garbage Buildings	750 00	
	<hr/>	
Total Health and Sanitation		69,125 00
Highways.		
Street Lighting	\$51,000 00	
Public Buildings Department, Maintenance		
Highway Buildings	600 00	
	<hr/>	
Total Highways		51,600 00
Charities.		
Support of Poor, Miscellaneous	\$12,500 00	
Support of Poor, City Home	3,000 00	
Public Buildings Department, Maintenance		
City Home Buildings	1,800 00	
Somerville Hospital	5,000 00	
	<hr/>	
Total Charities		22,300 00
Soldiers' Benefits.		
Soldiers' Relief	\$23,000 00	
Military Aid	400 00	
	<hr/>	
Total Soldiers' Benefits		23,400 00
Education.		
School Contingent	\$31,000 00	
School Teachers' Salaries	295,000 00	
Public Buildings Department, Maintenance		
School Buildings	62,000 00	
	<hr/>	
Total Education		388,000 00
Libraries.		
Central Library	\$17,000 00	
Public Buildings Department, Maintenance		
Central Library	3,700 00	
West Somerville Branch Library	5,000 00	
Public Buildings Department, Maintenance		
West Somerville Branch Library	1,750 00	
	<hr/>	
Total Libraries		27,450 00
Recreation.		
Engineering Department, Parks Maintenance		
.	\$7,900 00	
Public Buildings Department, Maintenance		
Park Buildings	300 00	
	<hr/>	
Amounts carried forward	\$8,200 00	\$776,875 00

Amounts brought forward	\$8,200 00	\$776,875 00
Engineering Department, Playgrounds Maintenance	3,000 00	
School Department, Summer Playgrounds	1,600 00	
Public Buildings Department, Maintenance Bathhouse	800 00	
Celebrations:—		
Memorial Day	425 00	
Total Recreation		14,025 00

Unclassified.

Municipal Documents	\$500 00	
Contingent Fund	1,000 00	
Total Unclassified		1,500 00

Municipal Indebtedness.

Interest	\$85,000 00	
Reduction of Funded Debt	162,000 00	
Total Municipal Indebtedness		247,000 00
		<u>\$1,039,400 00</u>

Appropriations on Funded Debt account:—

Highways, Construction	\$50,000 00	
Highways, Paved Gutters and Crossings	6,500 00	
Building Public Buildings	70,000 00	
Sewers, Construction	20,000 00	
Sidewalks, Construction	20,000 00	
Police Department, Additional Equipment	4,000 00	
Fire Department, Additional Apparatus	2,500 00	
Recreation Field, Alewife Brook	15,000 00	
		188,000 00
		<u>\$1,227,400 00</u>

GENERAL GOVERNMENT.**Board of Aldermen Expenses.**

CREDIT.

Appropriations, from Taxes, 1911	\$800 00	
Excess and Deficiency account, amount transferred	200 00	
Election Expenses, City Clerk account, amount transferred	500 00	
Cash, received of New England Telephone & Telegraph Co., order blanks	12 00	
		\$1,512 00
Excess and Deficiency account, balance transferred		401 08
		<u>\$1,110 92</u>

DEBIT.

(Expenditures.)

Cash, paid Boston Regalia Co., gavel	\$1 50	
John F. Biggs & Co., printing and registers	197 00	
Amount carried forward		\$198 50

Amount brought forward	\$198 50	
Boulevard Auto Co., Inc., car hire	72 00	
Harry G. Chase, disbursements	28 00	
Thomas Groom & Co., books and stationery	32 30	
Herbert W. Grindal, analyzing expenditures	13 00	
Richard A. Keyes, stenography and supplies	141 00	
Wesley A. Maynard, printing	16 75	
Jairus Mann, disbursements	7 50	
Joseph S. Pike, expenses of president of board of aldermen to Budget Exhibit,	27 85	
Asa B. Prichard, disbursements	53 00	
Svea M. Pearson, stenography and supplies	9 30	
Pneumatic Hand Stamp Co., stamps	18 32	
Revere House, dinners	114 00	
Somerville Post-office, postage	27 75	
Walter H. Snow & Sons, catering	160 00	
Somerville Journal Co., printing and advertising	69 15	
Smith-Premier Typewriter Co., rent	7 50	
Somerville Reporter, printing	3 75	
Thorpe's Express, expressing	25	
Samuel Ward Co., printing	85 50	
	<hr/>	
	\$1,085 92	
Engineering Department, charts	25 00	
	<hr/>	
		<u>\$1,110 92</u>

Clerk of Committees and Departments.

CREDIT.

Appropriations, from Taxes, 1911	\$4,700 00
Excess and Deficiency account, balance transferred	430 87
	<hr/>
	\$4,269 13

DEBIT.

(Expenditures.)

Cash, paid William P. Mitchell, salary as clerk of committees and departments	\$2,100 00
Laurence S. Howard, assistant	1,200 00
Lucia A. Manning, assistant	600 00
Florence Ham, assistant	153 76
W. A. Greenough & Co., directory	4 00
Thomas Groom & Co., books and stationery	56 55
New England Telephone & Telegraph Co., service	62 20
Pneumatic Hand Stamp Co., stamps	2 50
Somerville Journal Co., printing	14 50
Somerville Post-office, postage	60 62
Smith-Premier Typewriter Co., supplies,	5 25
Sampson & Murdock Co., directory	6 00
Samuel Ward Co., stationery	3 75
	<hr/>
	<u>\$4,269 13</u>

Executive Department.

CREDIT.

Appropriations, from Taxes, 1911	\$4,500 00
Excess and Deficiency account, amount transferred	101 06

 \$4,398 94

DEBIT.

(Expenditures.)

Cash, paid Charles A. Burns, salary as mayor	\$2,500 00
expenses to Budget Exhibit	27 85
Fred E. Warren, secretary to the mayor,	1,300 00
A. R. Andrews, noiseless automatics	2 00
Boulevard Auto Co., car hire	30 00
Boston Elevated Railway Co., special cars	8 00
W. A. Greenough & Co., directory	4 00
J. W. Howard, flowers	43 70
Jameson Brothers, carriage hire	10 00
Richard A. Keyes, services	3 00
Wesley A. Maynard, printing and stationery	7 50
New England Telephone & Telegraph Co., service	54 00
Sampson & Murdock Co., directory	6 00
Somerville Young Men's Christian Association, rent of hall	25 00
Somerville Post-office, postage	111 24
Somerville Journal Co., printing and stationery	119 00
Underwood Typewriter Co., exchanging machine	60 75
Samuel Ward Co., stationery	86 90

 \$4,398 94
Auditing Department.

CREDIT.

Appropriations, from Taxes, 1911	\$1,100 00
Excess and Deficiency account, balance transferred	21 54

 \$1,078 46

DEBIT.

(Expenditures.)

Cash, paid Clarence T. Bruce, salary as auditor	\$700 00
disbursements	10 50
Pneumatic Hand Stamp Co., stamps	16 86
Edwin L. Pride & Co., auditing	350 00
Fred W. Reed, office supplies	1 10

 \$1,078 46
Treasury Department.

CREDIT.

Appropriations, from Taxes, 1911	\$9,350 00
Excess and Deficiency account, balance transferred	377 69

 Amount carried forward \$8,972 31

Amount brought forward	\$8,972 31
Receipts:—	
Commonwealth of Massachusetts, fees for collecting national bank tax	13 49
Cash, received of sundry persons:—	
Fees for releasing tax liens	\$13 00
Certificates of liens	225 00
Costs on taxes and assessments	3,937 43
Joseph S. Pike, telephone	16 00
	<hr/>
	4,191 43
	<hr/>
	\$13,177 23

DEBIT.

(Expenditures.)

Cash, paid Joseph S. Pike, salary as city treasurer	\$3,000 00
expenses to convention of accounting officers	49 75
expenses to Budget Exhibit	27 85
Charles L. Ellis, deputy collector of taxes	1,450 00
disbursements	26 75
Beulah M. Peirce, first assistant	1,000 00
Louise B. McLaughlin, second assistant	700 00
postage stamps	10 00
Florence M. Grow, third assistant	600 00
Marion C. Kendall, fourth assistant	600 00
Winnifred P. Briggs, fifth assistant	588 45
Susan L. Briggs, clerical services	135 00
Lilla A. Johnson, clerical services	360 00
May G. Canfield, clerical services	217 35
Nema Tower, clerical services	73 33
Marjorie Loring, clerical services	64 00
Jeanette Hutchins, clerical services	40 00
Helen M. Keeler, clerical services	38 66
Loena A. Snowman, clerical services	25 33
Edith H. Bradford, clerical services	12 00
Theodore H. Locke, services and collecting	84 71
Charles B. Palmer, fees for collecting delinquent taxes	4 50
M. E. Sturtevant, fees for collecting delinquent taxes	28 50
Somerville National Bank, clearing house charges	5 34
National Security Bank, clearing house charges	2 08
American Surety Company of New York, treasurer's bonds	224 00
A. R. Andrews, noiseless automatics	7 00
American Express Co., expressing	1 10
A. W. Babbitt, check registers	11 00
Boston News Bureau, subscription	12 00
Burroughs Adding Machine Co., attention to machines	6 46
Brown's Express, expressing	75
	<hr/>
Amount carried forward	\$9,405 91

Amount brought forward	\$9,405 91	
Edwin O. Childs, Register, recording affidavits of tax sales	17 40	
The Carter's Ink Co., ink	4 50	
B. F. Cummins Co., repairing perforator	6 05	
George E. Damon Co., year book	2 00	
Globe-Wernicke Co., folders	1 15	
Thomas Groom & Co., books and stationery	333 57	
Gilman Express Co., expressing	15	
W. A. Greenough & Co., directories	8 00	
William H. Gleason, printing	12 25	
The J. C. Hall Co., lithographing checks	115 00	
E. F. Hicks, lunches	12 00	
Ihling Brothers, Everard Co., book	2 50	
Howard Lowell & Son, carriage hire	115 00	
A. G. Moore & Co., printing	3 50	
McGrath & Woodley, book	18 00	
Wesley A. Maynard, printing	266 00	
National Association of Credit Men, diary	2 00	
New England Telephone & Telegraph Co., service	112 48	
Old Colony Trust Co., certified bonds	150 00	
insurance on registered mail	70	
Pneumatic Hand Stamp Co., stamps	4 00	
Standard Stamp Affixer Co., machine	18 00	
Somerville Post-office, postage	1,552 43	
Smith-Premier Typewriting Co., repairs,	6 25	
Somerville Journal Co., printing	297 54	
advertising tax sales, and deeds	562 60	
Sampson & Murdock Co., directory	5 50	
Somerville Reporter, printing	29 00	
Thorpe's Express, expressing	1 15	
Turner & Co., envelopes	96 60	
Yale & Towne Mfg. Co., cleaning and insuring time lock	15 00	
		<hr/>
		\$13,177 23

Assessors' Department.

CREDIT.

Appropriations, from Taxes, 1911	\$11,000 00
Excess and Deficiency account, balance transferred	248 24
	<hr/>
	\$10,751 76

DEBIT.

(Expenditures.)

Cash, paid George W. Perkins, salary as chairman of the board of assessors	\$2,000 00
Nathan H. Reed, assessor	800 00
George E. Elliott, assessor	800 00
Winsor L. Snow, assessor	800 00
Harry Van Iderstine, assessor	800 00
Fred B. Clapp, assistant assessor	250 00
James Wilson, assistant assessor	250 00
	<hr/>
Amount carried forward	\$5,700 00

Amount brought forward	\$5,700 00	
John F. Stackpole, assistant assessor	250 00	
George I. Canfield, assistant assessor	250 00	
J. Robert Fenelon, assistant assessor	250 00	
William H. Wallis, assistant assessor	250 00	
Abbie D. Southworth, assistant	689 55	
disbursements	14 60	
Mabel E. Hall, assistant	600 00	
Bertha M. Boyd, assistant	417 81	
Jeanette Hutchins, clerical services	134 67	
Edna L. Goodwin, clerical services	130 67	
Loena A. Snowman, clerical services	125 34	
Josephine M. Sander, clerical services	106 67	
Hazel M. Etter, clerical services	92 01	
Nema Tower, clerical services	88 01	
May G. Canfield, clerical services	80 00	
Edith H. Bradford, clerical services	60 00	
Lulu E. Chapman, clerical services	10 67	
Leonard C. Spinney, street clerk	68 00	
Theodore H. Locke, street clerk	64 00	
Stanley C. Converse, street clerk	58 00	
Raymond A. Farr, street clerk	56 00	
E. R. Butterworth, rent of car	10 00	
I. C. Caverly, rent of car	5 00	
L. E. Clayton, stationery	1 10	
Carter's Ink Co., ribbons	9 75	
Glines & Co., expressing	30	
W. A. Greenough & Co., directory	4 00	
Thomas Groom & Co., stationery	75	
E. F. Hicks, lunch	11 00	
John Johnson, carriage hire	5 00	
Wesley A. Maynard, printing and ad- vertising	30 50	
New England Telephone & Telegraph Co., service	37 76	
Pneumatic Hand Stamp Co., stamps	3 45	
Somerville Journal Co., printing	799 25	
Somerville Reporter, advertising	18 00	
Smith-Premier Typewriter Co., machine,	79 50	
Somerville Post-office, postage	22 00	
Thorpe's Express, expressing	1 10	
Samuel Ward Co., supplies	214 50	
Yawman, Erbe Mfg. Co., indexes	2 80	
		<u>\$10,751 76</u>

City Clerk's Department.

CREDIT.

Appropriations, from Taxes, 1911	\$3,100 00	
Excess and Deficiency account, balance transferred	1,081 10	
		<u>\$2,018 90</u>
Cash, received of Frederic W. Cook, city clerk:—		
Recording mortgages	\$458 50	
Dog licenses	344 40	
Marriage certificates	908 00	
Amusements	242 00	
Transporting liquors	18 00	
		<u>\$1,970 90</u>
Amounts carried forward	\$1,970 90	<u>\$2,018 90</u>

Amounts brought forward	\$1,970 90	\$2,018 90
Junk licenses	625 00	
Badges	2 00	
Street musicians	8 50	
Copies of records	146 00	
Wagon licenses	106 00	
Liquor licenses	34 00	
Billiards and pool	164 00	
Intelligence offices	20 00	
Auctioneers' licenses	44 00	
Slaughtering	6 00	
Drivers' licenses	13 00	
Wagon stands	3 00	
Private detectives	50 00	
Sale of old ballots	3 12	
Interest on deposits	13 82	
Hackney carriages	17 00	
Garages	112 00	
Innholders and common victuallers	98 00	
Drain layers' bonds	8 00	
Edison Electric Illuminating Co., notices,	13 80	
Wood alcohol	1 00	
Projections over sidewalk	21 00	
New England Telephone & Telegraph Co., notices	37 10	
Ringling bell	11 00	
Registration fee	1 00	
Cry goods	93 00	
Engines and motors	15 00	
		3,637 24
Election Expenses, City Clerk account, clerical work	\$275 00	
City Clerk's Department, Vital Statistics account, clerical work	1,360 00	
Election Expenses, Registrars of Voters account, clerical work	450 00	
		2,085 00
		<u>\$7,741 14</u>

DEBIT.

(Expenditures.)

Cash, paid Frederic W. Cook, salary as city clerk	\$2,700 00
extra services in revision of ordinances	300 00
Howard E. Wemyss, assistant city clerk,	1,400 00
Clara B. Snow, first assistant	800 00
Edith A. Woodman, second assistant	588 50
Alice M. Vincent, third assistant	588 50
Florence H. Plimpton, fourth assistant	600 00
Dorothy S. Winchenbach, clerical services	4 67
American Multigraph Sales Co., repairs	7 87
Allen, Doane & Co., badges	2 00
American Express Co., expressing	35
T. H. Ball, forms	4 20
Robert Burlen, binding	36 45
Amount carried forward	<u>\$7,032 54</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 61

Amount brought forward	\$7,032 54	
Carter's Ink Co., ribbons	21 70	
Bernard S. Coddling, repairing time clock stamp	3 00	
The Dennison-Pratt Paper Co., Inc., paper	4 20	
John Donnelly & Sons, posting	39 00	
George E. Damon Co., year book	2 00	
Gray & Turner, premiums	30 40	
Thomas Groom & Co., pencil pointer	3 00	
Glines & Co., expressing	85	
W. A. Greenough & Co., directory	4 00	
Gilman Express Co., expressing	30	
Hobbs & Warren, forms	2 82	
Keefe, Davidson Co., book	5 00	
Library Bureau, index cards	29 21	
McGrath & Woodley, binding	3 75	
The Monarch Typewriter Co., machine	40 00	
Wesley A. Maynard, printing and adver- tising	60 50	
New England Telephone & Telegraph Co., service	146 73	
Pneumatic Hand Stamp Co., stamps	4 12	
Sampson & Murdock Co., directory	6 00	
Somerville Journal Co., printing and ad- vertising	96 15	
Somerville Post-office, postage	156 00	
Thorpe's Express, expressing	55	
Samuel Ward Co., stationery	49 32	
		<u>\$7,741 14</u>

Law Department.

CREDIT.

Appropriations, from Taxes, 1911	\$2,500 00
Excess and Deficiency account, balance transferred	132 39
	<u>\$2,367 61</u>

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor	\$2,100 00
disbursements	150 61
James M. Harmon, salary as claim agent	100 00
disbursements	6 50
Eugene H. Jones, photographs of Pow- der House boulevard	10 50
	<u>\$2,367 61</u>

City Messenger's Department.

CREDIT.

Appropriations, from Taxes, 1911	\$1,900 00
Excess and Deficiency account, balance transferred	3 38
	<u>\$1,896 62</u>

DEBIT.

(Expenditures.)

Cash, paid Jairus Mann, salary as city messenger	\$1,500 00	
H. A. Brownell, repairing	6 05	
J. H. Edwards, repairing	35	
Thomas Groom & Co., books	2 60	
Jameson Brothers, board of horse	275 00	
New England Telephone & Telegraph Co., service	24 02	
Pearl Street Shoeing Forge, shoeing	28 60	
A. P. Rockwood, carriage hire	9 00	
R. E. Small & Co., carriage repairs	2 50	
Charles L. Underhill, carriage repairs	48 50	
		<u>\$1,896 62</u>

Engineering Department.

CREDIT.

Appropriations, from Taxes, 1911	\$11,500 00	
Excess and Deficiency account, balance transferred	15 37	
		<u>\$11,484 63</u>
Cash, received of abutters for plans, as follows:—		
Garrison avenue	\$5 00	
Lowell street	5 00	
Shawmut place	5 00	
Dearborn road	5 00	
Leland street	5 00	
Pritchard avenue	5 00	
Conwell avenue	10 00	
		<u>40 00</u>
Board of Aldermen Expenses account, charts	\$25 00	
Recreation Field, Alewife Brook account, services and inspection	100 00	
		<u>125 00</u>
		<u>\$11,649 63</u>

DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer	\$3,000 00	
allowance for team	90 00	
registration of automobile	7 50	
Engineer's assistants	7,536 60	
Engineer's assistants, car fares	183 17	
American Express Co., express	1 80	
Boston Burial Case Co., stakes	30 00	
George R. Bascom Co., tube	6 55	
D. J. Bennett, chamois	4 25	
Boulevard Auto Co., repairing	15 00	
Charles E. Berry, repairing	7 25	
Cotter's Express, expressing	15	
L. E. Clayton, cotton cloth	6 05	
Davenport-Brown Co., pattern maker	2 00	
Neils A. Dolleris & Son, batteries	35 10	
		<u>\$10,925 42</u>
Amount carried forward	\$10,925 42	

Amount brought forward	\$10,925 42	
E. W. Danforth, tires for auto	45 13	
Enterprise Rubber Co., inner tubes	29 20	
J. H. Edwards, sharpening drills	30	
Frost & Adams Co., supplies	26 65	
Thomas Groom & Co., stationery	22 15	
Gilman Express Co., expressing	45	
Glines & Co., expressing	15	
Harvard Vulcanizing Co., repairing tubes	33 57	
Hub Cycle Co., cases	60 00	
Eugene H. Jones, photographs	25 50	
Library Bureau, index cards	1 75	
Ledder & Probst, ink	26	
Municipal Journal, subscription	3 00	
B. L. Makepeace, blue print cloth	25 40	
Martin & Wood, batteries	2 50	
New England Telephone & Telegraph Co., service	91 94	
Reed Tire & Supply Co., case and tube	42 35	
Shawmut Tire Co., shoes	48 50	
Somerville Post-office, postage	10 00	
Smith-Premier Typewriter Co., ribbon and repairs	3 00	
The Underhill Co., shoes for automobile,	110 46	
Charles L. Underhill, sharpening	45	
Underhill Hardware Co., supplies	1 90	
M. L. Vinal, books	50	
Whitney & Snow, hardware	11 95	
Wadsworth, Howland & Co., supplies	33 56	
Samuel Ward Co., blocks	3 85	
Waldo Brothers, mortar	50	
	<hr/>	
	\$11,560 39	
Water Maintenance account, gasoline	53 10	
Highways Maintenance account, sand, etc.,	8 14	
Sewers Maintenance account, labor, etc.	28 00	
	<hr/>	
		\$11,649 63

Public Buildings Department, Commissioner of Public Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$4,550 00
Excess and Deficiency account, balance transferred	47 91
	<hr/>
	\$4,502 09

DEBIT.

(Expenditures.)

Cash, paid Walter T. Littlefield, salary as commissioner of public buildings	\$2,250 00
George H. Galpin, assistant to commis- sioner of public buildings	219 71
Florence Ham, assistant to commis- sioner of public buildings	415 44
Duncan C. Green, inspector of plumbing,	1,200 00
A. R. Andrews, noiseless automatics for typewriter	2 00
	<hr/>
Amount carried forward	\$4,087 15

Amount brought forward	\$4,087 15	
Thomas Groom & Co., stationery	21 20	
Gilman Express Co., expressing	15	
W. A. Greenough & Co., directory	4 00	
Alex. H. Irvin Co., staples	30	
Wesley A. Maynard, paper and printing,	38 00	
B. L. Makepeace, drawing paper	2 45	
New England Telephone & Telegraph Co., service	98 98	
Somerville Post-office, postage	2 75	
Smith-Premier Typewriter Co., repairs and machine	74 55	
Sanborn Map Co., correcting map	10 00	
Somerville Journal Co., printing	112 75	
Samuel Ward Co., stationery	17 83	
Yawman, Erbe Mfg. Co., cards	31 98	
		<u>\$4,502 09</u>

Public Buildings Department, Maintenance Municipal Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$6,000 00	
Public Buildings Department, Maintenance Bathhouse account, amount transferred	300 00	
		<u>\$5,700 00</u>
Excess and Deficiency account, balance transferred	76 02	
		<u>\$5,623 98</u>
Cash, received of Asahel Wheeler Co., money refunded	\$25 95	
James Bartley, money refunded	4 00	
Willard C. Kinsley Post, No. 139, G. A. R., rent	4 00	
		<u>33 95</u>
		<u>\$5,657 93</u>

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$2,350 54
F. C. Ayer, lumber	2 52
James Bartley, soap and supplies	13 00
Burbank & Ryder Varnish Co., varnish	6 30
Arthur W. Berry, carpentering	44 95
Bostonian Laundry Co., laundering	1 50
Cambridge Gas Light Co., gas	29 69
C. W. Cahalan, plumbing	16 76
Cambridge Ice Co., ice	29 79
Jackson Caldwell & Co., furniture	138 40
Davenport-Brown Co., boxes	22 72
James Duncan, reseating chair	1 00
Derby Desk Co., chair iron	2 50
J. H. Edwards, repairs	2 50
Edison Electric Illuminating Co., lighting	1,035 27
F. C. Fuller & Co., paint	5 95
	<u>\$3,703 39</u>
Amount carried forward	\$3,703 39

Amount brought forward	\$3,703 39
Fred W. Farrar, repairing clock	1 50
Gas Consumers' Association, rental	2 00
The General Fire Proofing Co., steel case	32 75
Ralph M. Graffam, wrench	1 75
Eugene Girroir, labor	28 00
Glines & Co., expressing	2 50
S. D. Hicks & Son, repairing gutters	60 00
James Harper & Co., upholstering	10 00
Hinckley Rendering Co., soap powder	10 30
Alfred H. Hines, mason work	27 03
J. J. Hurley & Co., repairing pipes	4 94
Jordan Marsh Co., dry goods	5 00
The George T. Johnson Co., toilet paper,	11 50
Jenkins Brothers, valves	2 25
Frank O. Johnson, plumbing	26 54
Knott & Co., electrical work	4 20
The Kimball Sales Co., water cooler	9 45
E. & F. King & Co., soda ash	5 07
McKenney & Waterbury Co., electrical supplies	25 60
Charles F. Mills, carpentering	53 20
Martin & Wood, repairing locks, etc.	6 35
J. Edward L. McLean, carpentering	97 00
C. W. H. Moulton Co., extension trestles	20 00
Mass. Metal Polish Co., polish	4 00
George W. Manning, labor on flag pole	11 50
G. F. McKenna & Son, teaming	10 00
New England Towel Supply Co., towels,	116 75
R. G. Perkins, comb and brush	75
Pittsburg Plate Glass Co., glass	8 87
W. E. Plumer & Co., hardware	1 66
A. W. Phillips, mason work	25 01
A. H. Pendleton, blocketts	6 00
Perham's Express Co., expressing	15
George L. Robinson, painting	293 93
F. A. Rogers & Co., varnishing	7 00
Roberts Iron Works Co., plates	22 03
E. S. Sparrow & Co., hardware	36 45
S. M. Spencer Mfg. Co., brass tags	1 28
Thorpe's Express, expressing	3 00
Underhill Hardware Co., hardware	30 40
H. G. White Co., electrical work	29 44
The Warren Carpet Cleaning Co., rugs	26 60
Asahel Wheeler Co., paints	164 65
William J. Wiley, paints	11 84
Henry A. Wheeler & Co., re-covering awnings	70 28
Waldo Brothers, clay	2 00
L. A. Wright, repairing	50
Wellington-Wild Coal Co., coal	523 71
Yawman, Erbe Mfg. Co., section cases	99 25

 \$5,657 37

Water Maintenance account, inspection

56

 \$5,657 93

Municipal Buildings, Vaults.

CREDIT.

Building Public Buildings account, amount transferred	\$2,800 00
Balance to credit of account, 1912	2,800 00
	<hr/>

City Hall, Additional Accommodations.

CREDIT.

Building Public Buildings account, amount transferred	\$2,500 00
Balance to credit of account, 1912	186 58
	<hr/>
	\$2,313 42

DEBIT.

(Expenditures.)

Cash, paid A. W. Berry, on account of contract	\$1,640 00
Edison Electric Illuminating Co., lamps,	9 00
J. J. Hurley & Co., installing radiators,	280 40
Frank O. Johnson, plumbing	279 24
B. L. Makepeace, blue prints	28
Wesley A. Maynard, advertising	2 00
McKenney & Waterbury Co., electrical work	100 00
Somerville Journal Co., advertising	2 50
	<hr/>
	\$2,313 42

Election Expenses, City Clerk.

CREDIT.

Appropriations, from Taxes, 1911	\$1,750 00
Board of Aldermen Expenses account, amount transferred	500 00
	<hr/>
	\$1,250 00
Excess and Deficiency account, balance transferred	30 68
	<hr/>
	\$1,280 68

DEBIT.

(Expenditures.)

Cash, paid American Express Co., expressing	\$ 30
Walter S. Barnes & Son, boxes	9 80
John Bousfield, ringing bell	2 00
Boulevard Auto Co., use of automobiles,	193 00
L. E. Clayton, tape	2 38
Frederic W. Cook, expenses	3 80
John Donnelly & Sons, posting	23 00
Glines & Co., expressing	1 00
J. H. Kelley, repairing ballot boxes	50 00
H. A. Kendall, ringing bell	2 00
Pneumatic Hand Stamp Co., stamps	9 43
Somerville Journal Co., printing ballots, etc.	485 71
Somerville Reporter, printing and advertising	89 88
	<hr/>
Amount carried forward	\$872 30

Amount brought forward	\$872 30	
Somerville Enterprise Publishing Co., advertising	43 50	
Sprague & Hathaway Co., mounting maps	7 50	
Whitney & Snow, hardware	8 05	
Walker Lithograph & Publishing Co., maps	52 00	
Samuel Ward Co., supplies	22 33	
	<hr/>	
	\$1,005 68	
City Clerk's Department account, clerical work	275 00	
	<hr/>	
		<u>\$1,280 68</u>

Election Expenses, Registrars of Voters.

CREDIT.

Appropriations, from Taxes, 1911	\$2,150 00
Excess and Deficiency account, balance transferred	5 10
	<hr/>
	\$2,155 10

DEBIT.

Cash, paid Charles P. Lincoln, salary as registrar	\$200 00	
Frederic W. Cook, salary as registrar	200 00	
Douglass B. Foster, salary as registrar	200 00	
Edwin D. Sibley, salary as registrar	200 00	
Clinton E. Bray, clerical services	48 00	
Frank E. Merrill, clerical services	42 00	
Fred E. Warren, clerical services	45 00	
Howard E. Wemyss, clerical services	55 50	
Boulevard Auto Co., use of cars	34 00	
Robert Burlen, binding	4 50	
John Donnelly & Sons, posting	48 00	
Gridley Coffee House, lunches	11 75	
Glines & Co., expressing	15	
Macy, Stetson, Morris Co., printing	7 75	
Wesley A. Maynard, envelopes	19 50	
Somerville Enterprise Publishing Co., printing	12 75	
Pneumatic Hand Stamp Co., ribbons	2 04	
Somerville Journal Co., printing and ad- vertising	446 00	
Somerville Post-office, postage	55 41	
Somerville Reporter, advertising	18 75	
Samuel Ward Co., books and supplies	54 00	
	<hr/>	
	\$1,705 10	
City Clerk's Department account, clerical work	450 00	
	<hr/>	
		<u>\$2,155 10</u>

Election Expenses, Pay of Election Officers.

CREDIT.

Appropriations, from Taxes, 1911	\$2,700 00
Excess and Deficiency account, balance transferred	188 00
	<hr/>
	\$2,512 00

DEBIT.

(Expenditures.)

Cash, paid election officers	\$2,512 00
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Election Expenses, Polling Places.

CREDIT.

Appropriations, from Taxes, 1911	\$800 00
Public Buildings Department, Maintenance Bathhouse account, amount transferred	151 23

\$648 77

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$2 63
Armstrong Brothers, plumbing	1 33
C. Bowen, moving polling booths	80 60
Boulevard Auto Co., use of cars	24 00
Cambridge Gas Light Co., gas	68
Carlisle-Ayer Co., window frames	13 50
Philip Eberle, use of hall	50 00
F. C. Fuller & Co., hardware	40
A. C. Gordon, painting	69 00
Eugene Girroir, setting up voting list boards	4 00
N. D. B. Company, electrical work	10 08
T. E. Littlefield, lumber	7 20
Arthur T. McGilvray, electrical work	19 10
George F. McKenna & Son, teaming	195 00
J. E. L. McLean, carpentering	43 13
Charles F. Mills, carpentering	49 40
Arthur G. Pearson, rent of hall	60 00
Pittsburg Plate Glass Co., glass	1 10
W. E. Plumer & Co., hardware	40
George L. Robinson, painting	6 22
E. S. Sparrow & Co., hardware	2 43
Somerville Coal Co., fuel	2 61
F. W. Smith & Co., hardware	1 00
Underhill Hardware Co., hardware	1 50
Wellington-Wild Coal Co., coal	3 46

\$648 77

PROTECTION OF LIFE AND PROPERTY.**Police.**

CREDIT.

Appropriations, from Taxes, 1911	\$67,500 00
Excess and Deficiency account, balance transferred	2,084 31

\$65,415 69

Receipts:—

Commonwealth of Massachusetts:—

Corporation tax	\$22,808 82
National Bank tax	4,380 31

27,189 13

Amount carried forward	\$92,604 82
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APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 69

Amount brought forward		\$92,604 82
Stock and labor billed other departments:—		
Electrical Department account, board of horse	\$88 56	
Sprinkling Streets account, services of officers	167 50	
		256 06
Cash, received of John R. Fairbairn, master of house of correction, fines	\$303 00	
Herbert A. Chapin, clerk of the courts, fines	2,033 00	
Sundry persons, cloth for uniforms	438 89	
Somerville High School Athletic Association, service of officers	339 50	
		3,114 39
		<u>\$95,975 27</u>

DEBIT.
(Expenditures.)

Cash, paid Charles A. Kendall, chief	\$2,100 00
disbursements	42 91
Robert R. Perry, captain	1,575 00
Lieutenants:—	
Dennis Kelley	1,415 00
Eugene A. Carter	1,415 00
Charles A. Woodman	1,417 00
Sergeants:—	
Edward McGarr	1,260 00
George H. Carleton	1,260 00
James M. Harmon	1,266 00
John A. Ray	1,270 00
Inspector:—	
Thomas Damery	1,200 00
Patrolmen (salaries and extra duties):—	
Charles W. Allen	1,149 30
Louis F. Arnold	1,186 60
Louis J. Belzarini	1,158 45
Robert T. Blair	1,172 85
David A. Bolton	343 35
Samuel Burns	1,165 60
Edward M. Carter	1,150 35
Jotham Chisholm	1,164 60
Claude L. Crossman	1,168 45
John J. Cummings	1,148 40
John L. Cameron	870 50
John A. Dadmun	1,154 60
William J. Davidson	1,160 35
Edward M. Davies	1,169 35
Robert D. Dewar	1,003 75
Ezra A. Dodge	1,154 35
Patrick J. Doolin	1,080 20
Dennis Downey	1,167 10
Elmer E. Drew	906 87
Joseph A. Dwyer	1,164 70
Augustine J. Fitzpatrick	979 20
Ernest S. Goff	1,145 95
Frederick H. Googins	1,109 65
Amount carried forward	<u>\$39,095 43</u>

Amount brought forward	\$39,095 43
Myron S. Gott	1,172 35
Frank H. Graves	1,172 80
Walter L. Groves	1,158 60
Albert C. Hawes	907 80
Theodore H. Heron	1,142 80
Herbert Hilton	337 05
Edward J. Hopkins	1,168 35
Frank C. Hopkins	1,149 10
Ernest Howard	1,145 55
Hudson M. Howe	1,162 45
Francis P. Higgins	659 25
Charles S. Johnston	1,167 85
William H. Johnston	437 85
Frederick G. Jones	1,166 95
Edmund J. Keane	1,178 10
Michael T. Kennedy	1,146 60
William G. Kenney	1,164 35
Sanford S. Lewis	1,174 60
James M. Lynch	1,164 10
Bernard McCabe	997 00
Patrick McGrath	1,011 55
Thomas F. McNamara	1,147 48
Peter Moore	981 00
Dennis G. Mulqueeney	1,148 55
John J. McCahey	531 00
Dennis Neylon	1,164 85
Walter C. Oesting	750 75
Francis A. Perkins	1,143 24
George A. C. Peters	1,158 70
James E. Phillips	1,153 55
Walter Reed	1,173 10
Charles W. Reick	1,140 10
George L. Rice	1,159 35
Jacob W. Skinner	1,150 35
George L. Smith	1,149 10
Clyde W. Steeves	1,114 65
Martin Sharry	1,180 35
Daniel G. Simons	1,156 60
Lemuel J. Simons	1,155 55
Charles W. Stevens	1,154 45
Henry A. Sudbey	1,163 78
William E. Taylor	103 75
Thomas P. Walsh	1,099 15
Eugene A. Woodsum	1,158 70
Arthur S. Walsh	622 75
Harry C. Young	991 00
Drivers:—	
Martin E. Driscoll	865 75
Charles J. Fulton	830 00
James W. Lundergan	819 00
James J. Barron	94 50
Retired, half pay:—	
Melville C. Parkhurst	1,000 00
George W. Bean	546 00
John E. Fuller	546 00
Ira S. Carleton	546 00
James J. Pollard	546 00
Amount carried forward	\$92,525 58

Amount brought forward	\$92,525 58
Albion L. Staples	546 00
Herbert Hilton	4 73
Sundry persons, special police	135 00
Sundry persons, services at polling places	168 00
Minnie F. Woodland, matron	143 50
Auto List Publishing Co., auto list	10 00
American Towel Supply Co., towels	48 00
American Express Co., expressing	2 50
Louis F. Arnold, disbursements	4 10
Allen Brothers, badges and supplies	15 90
D. J. Bennett, repairing	27 05
Bostonian Laundry Co., laundering	20 99
Henry Barrett, photographs	22 00
David A. Bolton, disbursements	2 15
E. B. Badger & Sons Co., wiring hooks	4 75
Benjamin's Express, expressing	15
Samuel Burns, motor boat hire	5 00
Clarendon Stables, board of horse	300 00
Eugene A. Carter, disbursements	92 85
Robert Carleton & Co., repairing	3 68
Jackson Caldwell, saddle horses	33 00
Claude L. Crossman, disbursements	2 10
Davenport-Brown Co., top for table	2 40
George E. Damon Co., year book and stationery	55 88
Thomas Damery, disbursements	127 44
Edward J. Dailey, M. D., services	2 00
Robert D. Dewar, harness repairs	2 75
Davis Square Stable, carriage hire	15 00
D. Evans & Co., buttons	16 00
Fresh Pond Ice Co., ice	16 00
J. L. Fairbanks, books	7 50
W. A. Greenough & Co., directories	16 00
Gilman Express Co., expressing	30
Glines & Co., expressing	45
Frank H. Graves, committing prisoners,	2 10
Hobbs & Warren Co., supplies	19 50
O. L. Hill, auto hire	4 00
George F. Hughes, M. D., services	3 00
William J. Hatchett, M. D., services	2 00
William S. Howe, supplies	2 65
William Hamel, photographs	2 00
Hudson M. Howe, committing prisoners	2 15
Hill-Michie Co., auto hire	20 00
Iver-Johnson Sporting Goods Co., supplies	35 45
Benjamin R. Jones, disbursements	1 25
J. B. Knight, blanket	2 75
Michael T. Kennedy, disbursements	13 77
Lord & Webster, grain	93 24
M. Linsky & Brothers, insignia	40 60
George W. Ladd, horseshoeing	35 45
Little, Brown & Co., law books	11 25
James M. Lynch, car fares	30
Howard Lowell & Son, carriage hire	2 00
Amount carried forward	<hr/> \$94,672 21

Amount brought forward	\$94,672 21	
Peter Moore, disbursements	8 83	
Mary McEachern, meals for prisoners	25 75	
S. R. Masstrangialo, badges	27 15	
Edward M. McCarthy, M. D., services	2 00	
Frank L. Morse, auto hire	10 00	
Bernard McCabe, committing prisoner	2 10	
Martin & Wood, keys	1 80	
New England Telephone & Telegraph Co., services	230 13	
Neostyle Co., supplies	3 75	
N. Y. Lubricating Oil Co., auto supplies,	4 25	
John H. O'Neil, taking declaration	10 00	
Fulton O'Brion, grain	62 17	
Proctor Brothers Grain Co., hay and grain	38 75	
Parke Snow, velveteen	1 35	
W. E. Plumer & Co., supplies	20	
Phelps Brothers, hay	52 68	
Ira L. Roberts, horseshoeing	128 50	
Robart, Carleton Co., repairs	4 01	
A. P. Rockwood, carriage hire	39 28	
John A. Ray, carriage hire	3 00	
John B. Rufer, horse clipping	26 10	
R. C. Small, repairs	68 35	
Daniel G. Simons, disbursements	9 20	
Stone & Forsyth, drinking cups	8 50	
Somerville Journal Co., printing	122 90	
S. Slater & Sons, police cloth	247 24	
F. L. Sawtell, supplies	3 83	
The Frank Shepard Co., annotations	4 00	
Charles R. Simpson, veterinary services,	10 50	
Somerville Post-office, postage	10 00	
Nathan Tufts & Sons, oats and salt	77 18	
William J. Thompson & Co., hay	20 50	
Thorpe's Express, expressing	75	
Underwood Typewriter Co., repairs	4 25	
Whitney & Snow, hardware	22 79	
M. W. White, M. D., services	5 00	
Western Union Telegraph Co., telegram,	1 27	
	<hr/>	
	\$95,970 27	
Fire Department account, badges	5 00	
	<hr/>	
		\$95,975 27

Public Buildings Department, Maintenance Police Building.

CREDIT.

Appropriations, from Taxes, 1911	\$1,900 00
Excess and Deficiency account, balance transferred	161 36
	<hr/>
	\$1,738 64
Receipts:—	
County of Middlesex, rent of court room	750 00
	<hr/>
	\$2,488 64

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$1,240 85
Arthur W. Berry, carpentering	28 00
Cambridge Gas Light Co., gas	245 31
The Cornelius Callahan Co., landing pad,	10 00
James Duncan, reseating chair	1 50
Thomas Dowd, plastering	30 25
Edison Electric Illuminating Co., light- ing	307 96
Fred W. Farrar, repairing clock	2 50
Gas Consumers' Association, service	4 00
Glines & Co., expressing	65
Eugene Girroir, labor	4 00
William J. Hanson, plumbing	4 68
F. A. Hanson, labor	12 61
William E. Howe, shades	3 93
C. A. Legallee, plumbing	7 75
Leavis & Doherty, plumbing	3 50
B. L. Makepeace, blue prints	2 06
Martin & Wood, keys, etc.	8 10
George W. Manning, labor on flag poles,	4 50
P. W. Merrill, painting screens	15 50
J. Edward L. McLean, carpentering	7 90
Charles F. Mills, carpentering	5 70
Pittsburg Plate Glass Co., glass	9 96
A. W. Phillips, mason work	39 43
W. E. Plumer & Co., hardware	17 15
George L. Robinson, painting	21 84
George B. Robbins Disinfectant Co., disinfectant	7 50
Roberts Iron Works Co., plates	4 96
E. S. Sparrow & Co., hardware	17 65
Somerville Coal Co., coal	23 20
Whitney & Snow, hardware	6 50
H. W. Waite & Co., dust layer	8 70
Wellington-Wild Coal Co., coal	362 85
Asahel Wheeler Co., paint	17 15
Walker & Pratt Mfg. Co., water heater	50
	<hr/>
	<u>\$2,488 64</u>

Police Department, Additional Equipment.

CREDIT.

Appropriations, from Funded Debt, 1911	\$4,000 00
Balance to credit of account, 1912	2,000 00
	<hr/>
	\$2,000 00

DEBIT.

(Expenditures.)

Cash, paid The White Co., auto patrol and ambulance	<u>\$2,000 00</u>
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Police Building, Vault.

CREDIT.

Building Public Buildings account, amount transferred	\$3,000 00
Balance to credit of account, 1912	148 20
	<hr/>
	\$2,851 80

DEBIT.

(Expenditures.)

Cash, paid A. W. Berry, constructing vault,	\$1,675 00	
C. Bowen, lockers, etc.	4 20	
The General Fireproofing Co., steel vault case, ladder and track	443 50	
F. W. Holmes, painting	92 40	
Somerville Journal Co., advertising	3 00	
Leavis & Doherty, plumbing	450 00	
Wesley A. Maynard, advertising	3 00	
The Mosler Safe Co., vault	90 00	
Martin & Wood, electrical work	67 19	
W. E. Plumer & Co., hardware	17 30	
Whitney & Snow, hardware	6 21	
		<u>\$2,851 80</u>

Fire Department.

CREDIT.

Appropriations, from Taxes, 1911	\$38,500 00
Water Works Income, amount appropriated	50,000 00
Excess and Deficiency account, balance transferred	1,044 38
	<u>\$89,544 38</u>

Stock and labor billed other departments:—

Electrical Department account, board of horse	\$150 19	
Electrical Department account, motor	45 00	
Police Department account, badges	5 00	
Sewers Maintenance account, hose	11 95	
		<u>212 14</u>

Receipts:—

Cash, received of City Treasurer, fines	\$502 00	
Sewall M. Rich, licenses	14 00	
George F. McKenna, pung	10 00	
Gulf Refining Co., hose	50 00	
McBarron Co., old battery	10 00	
City of Fitchburg, old wagon	400 00	
		<u>986 00</u>
		<u>\$90,742 52</u>

DEBIT.

(Expenditures.)

Cash, paid Sewall M. Rich, salary as chief engineer	\$1,900 00
disbursements	2 00
Edward W. Ring, assistant engineer	1,456 00
Joseph A. Cribby, assistant engineer	1,271 50
Permanent firemen and substitutes	64,276 95
Callmen:—	
Engine No. 4	1,224 52
Engine No. 6	433 32
Hose Co. No. 2	800 00
Hose Co. No. 3	749 94
Hose Co. No. 5	100 04
Ladder Co. No. 1	1,313 34
Amount carried forward	<u>\$73,527 01</u>

Amount brought forward	\$73,527 61
Ladder Co. No. 2	1,716 62
Ladder Co. No. 3	1,000 00
Combination B Company	99 96
Hose and Chemical No. 7	400 00
James R. Hopkins, pension	1,200 00
Charles H. Bridges, pension	100 00
Daniel R. Spike, pension	100 00
William J. Blaisdell, pension	100 00
John E. Hill, pension	100 00
Thomas J. Joy, pension	100 00
J. H. Edwards, horseshoeing	260 80
George W. Ladd, horseshoeing	109 55
George McDormand, horseshoeing	167 65
Edw. O'Brien, horseshoeing	13 45
E. E. Onley, horseshoeing	19 10
J. B. Rufer, horseshoeing	283 95
Ira L. Roberts, horseshoeing	63 90
Harry Tobin, horseshoeing	66 20
J. H. Thompson, horseshoeing	55 35
I. B. Walker, horseshoeing	145 65
T. Allen, horses	496 00
American Express Co., expressing	5 79
George A. Ayer, brooms	45 50
American La France Fire Engine Co., supplies	79 77
American Shearer Mfg. Co., grinding	18 48
Andrews-Burr Paper Co., paper	5 50
F. W. Barry, Beale & Co., stationery	48 04
D. J. Bennett, repairing	15 55
Charles E. Berry, repairing	29 30
Charles A. Blethen, blankets	18 25
Boston Nickel Plating Co., plating	7 98
Bostonian Laundry, laundering	185 31
Braman, Dow & Co., gaskets	28 22
H. A. Brownell, repairing	10 20
H. W. Bursaw, kerosene	83 12
A. & E. Burton Co., brushes	39 50
James M. Berry, supplies	6 60
Brown's Express Co., expressing	25
W. S. Burbank Co., sawdust	3 45
Boston Ice Co., ice	12 00
Boston Woven Hose & Rubber Co., hose	442 40
Boston Belting Co., repairing	3 65
Boston & Maine Railroad, freight	7 50
George E. Byford, disinfectant	5 75
Cornelius Callahan Co., fire hats, etc.	104 65
Chandler & Farquhar Co., tools	330 58
Commonwealth Oil Co., soap	33 04
George W. Cutter, insignia	7 50
Combination Ladder & Rhode Island Coupling Co., dumping device and hose	249 67
Cambridge Iron Works, repairing	45 00
F. E. Cheney & Co., soap	5 00
Cambridge Ice Co., ice	30 20
Joe Cotter, belting	32 77
Amount carried forward	<hr/> \$82,066 31

Amount brought forward	\$82,066 31
Crosby Steam Gage & Valve Co., re- pairing	4 50
Julian D'Este Co., repairing locks	135 81
Dodge Motor Vehicle Co., repairing	133 25
Diamond Rubber Co., tire	81 00
Dana's Express, expressing	70
Eastern Drug Co., drugs	46 28
Eastern Oil & Gasoline Supply Depot, gasoline	2 80
J. Wesley Edmands & Son, metal polish,	33 33
J. H. Edwards, repairing	5 40
Firestone Tire & Rubber Co., repairing tires	158 49
Frank E. Fitts Mfg. & Supply Co., waste	52 82
Fenelon Pharmacy, medicine	60
Fresh Pond Ice Co., ice	31 51
Glines & Co., expressing	31 50
Gilman Express Co., expressing	5 60
W. A. Greenough & Co., directories	16 00
Gillette Clipping Machine Co., cable and chain	16 50
Goodyear Fire & Rubber Co., repairing,	120 44
George E. Grover, sundries	2 70
C. V. Hadley, lettering	4 50
S. D. Hicks & Son, repairing	42 95
Hill-Michie Co., cutting threads	2 60
Jim Hodder, blankets	228 16
Harrall Soap Co., soap powder	13 77
Hill & Hill, snaps	16 98
Heaney Mfg. Co., polish	9 00
Iver Johnson Sporting Goods Co., chains for automobile	14 41
Frank J. Jameson, metal polish	12 00
J. A. Kiley, repairing	136 00
O. F. Kress & Son, brakes	153 00
Lord & Webster Co., hay and grain	2,319 51
Dr. J. G. Lesure, horse medicine	34 00
J. Loring & Co., nutriotine	26 00
Martin & Wood, labor	1 00
D. McDonald, repairing	99 70
Morgan & Bond, dusters	111 25
A. S. Morss Co., rope	4 91
C. W. H. Moulton Co., shavings	34 30
Mathieson Alkali Works, soda	114 20
Mitchell Mfg. Co., badges	16 75
Marine Torch Co., search lights	15 00
Mystic Rubber Co., shoes	4 75
New England Telephone and Telegraph Co., service	132 16
George W. Norton, soap	37 45
Fulton O'Brion, oats	823 59
H. H. Osgood & Co., squilgees	12 00
John A. Pendergast, mops	29 00
Proctor Brothers Grain Co., hay and grain	464 25
"Prest-O-Lito" Co., tanks	4 90
Amount carried forward	\$87,868 63

Amount brought forward	\$37,868 63	
Phelps Brothers, hay and straw	974 98	
Perham's Express, expressing	25	
The Phillips Co., tripoli	57	
W. E. Plumer & Co., batteries	2 40	
J. B. Rufer, repairing	171 20	
Somerville Post-office, postage	5 00	
Scoville Mfg. Co., buttons	30 38	
Charles R. Simpson, veterinary ser- vices	61 75	
Standard Oil Co., gasoline	17 20	
Somerville Journal Co., printing	108 19	
Standard Extinguisher Co., repairing	7 80	
Stewart & Salisbury, medicine	6 76	
Shepard, Norwell Co., crash	18 40	
Thorpe's Express, expressing	1 00	
Nathan Tufts & Sons, oats and hay	1,028 42	
William J. Thompson & Co., hay and straw	211 74	
Charles L. Underhill, repairing	75	
Underhill Hardware Co., hardware	56 70	
U. S. Rubber Tire Co., repairing	27 30	
West Disinfecting Co., disinfectant	62 50	
William J. Wiley, repairing	1 60	
L. A. Wright, repairing	22 00	
Fred H. Wentworth, badges	4 00	
Winchester Tar Disinfectant Co., disin- fectant	9 25	
Whittier Wooden Ware Co., scrubs	4 00	
Whitney & Snow, hardware	1 00	
G. H. Worcester & Co., chamois	20 75	
Winter Hill Ice Co., ice	18 00	
		<u>\$90,742 52</u>

Fire Department, Additional Apparatus.

CREDIT.

Appropriations, from Funded Debt, 1911	\$2,500 00
Fire Station, Winter Hill account, amount transferred	<u>2,500 00</u>

Public Buildings Department, Maintenance Fire Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$5,500 00
Public Buildings Department, Maintenance Bathhouse account, amount transferred	<u>200 00</u>
	\$5,300 00
Excess and Deficiency account, balance transferred	<u>10 05</u>
	\$5,289 95

Receipts:—

Cash, received of Mark W. Patten, old doors	5 00
	<u>\$5,294 95</u>

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$112 29
J. M. Andrews & Son, carpentering	147 95
J. H. Adcock, plumbing	21 33
Michael J. Bowdren, gardening	6 25
Bliss Brothers, hardware	60
Broad Gauge Iron Works, gilding	3 00
Edward H. Barter, repairing clocks	1 50
Cambridge Gas Light Co., gas	52 02
Charlestown Gas & Electric Co., gas	30 43
Jackson Caldwell & Co., furniture	391 15
Bernard S. Coddington, repairing clock	1 50
Davenport-Brown Co., wood work	56 80
J. A. Durell, plumbing	12 08
Thomas Dowd, plastering	53 78
R. W. Doe, stove pipe	2 85
Edison Electric Illuminating Co., lighting	1,116 88
J. J. Fisher, plumbing	6 43
F. C. Fuller & Co., ash cans	5 50
F. W. Foster & Sons Co., grate bars	4 30
Frank E. Fitts Mfg. & Supply Co., ash cans	6 75
Glines Express Co., expressing	1 25
Gilman Express Co., expressing	50
C. H. M. Hunnewell, plumbing	30 47
J. J. Hurley & Co., labor on heating apparatus	41 09
S. D. Hicks & Son, repairing vane	4 00
Edgar O. Hunt, plumbing	3 00
William S. Howe, plumbing	7 75
Hemeon Brothers, carpentering	33 83
Hodge Boiler Works, labor	2 25
Ideal Supply Co., plumbing	1 55
Frank O. Johnson, plumbing	1 45
John Lingard, painting	81 63
S. P. Larsen & Son, repairing roof	19 58
C. F. Mills, carpentering	197 60
F. W. Merrill, electrical work	14 60
J. E. L. McLean, carpentering	288 27
George W. Manning, work on flag staff, McKenney & Waterbury Co., electrical supplies	100 75
A. M. Morton & Co., piping	16 00
Martin & Wood, fan	3 56
James W. O'Neil, plumbing	14 00
W. E. Plumer & Co., hardware	3 65
A. W. Phillips, mason work	5 62
Pittsburg Plate Glass Co., glass	9 75
Pierce, Butler & Pierce Mfg. Co., heaters	13 21
A. M. Pillsbury, carpentering	30 65
George L. Robinson, glazing	45 75
John B. Rufer, wagon repairing	28 78
E. S. Sparrow & Co., hardware	18 15
W. A. Snow Iron Works, pipe	20 84
	15 75

Amount carried forward \$3,088 67

Amount brought forward	\$3,088 67	
Somerville Coal Co., coal	293 70	
Underhill Hardware Co., hardware . .	3 69	
William J. Wiley, ash barrels	11 00	
Wellington-Wild Coal Co., coal	1,789 16	
John M. Woods & Co., lumber	95 08	
I. B. Walker, repairing flag poles . .	11 25	
L. A. Wright, repairing wagon	2 40	
		<u>\$5,294 95</u>

Fire Station, Winter Hill.

CREDIT.

Building Public Buildings account, amount transferred .	\$2,500 00	
Fire Department, Additional Equipment account, amount transferred	2,500 00	
		<u>\$5,000 00</u>
Balance to credit of account, 1912	5,000 00	<u></u>

Militia.

CREDIT.

Appropriations, from Taxes, 1911	\$500 00	
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DEBIT.

(Expenditures.)

Cash, paid Company K, Eighth Regiment, rifle range expenses	\$250 00	
Company M, Eighth Regiment, rifle range expenses	250 00	
		<u>\$500 00</u>

Sealing Weights and Measures.

CREDIT.

Appropriations, from Taxes, 1911	\$1,900 00	
Excess and Deficiency account, balance transferred	139 24	
		<u>\$1,760 76</u>

Receipts:—

Cash, received of John H. Dusseault, fees for weighing . .	516 28	
		<u>\$2,277 04</u>

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, salary as sealer of weights and measures . .	\$1,100 00	
disbursements	280 05	
Benjamin S. Abbott, assistant sealer of weights and measures	300 00	
Brown's Express, expressing	50	
Dennison Mfg. Co., tags	4 09	
The Fairbanks Co., platform scales . .	34 80	
William H. Gleason, stickers	5 50	
W. A. Greenough & Co., directory . .	4 00	
		<u>\$2,228 94</u>
Amount carried forward	\$2,228 94	

Amount brought forward	\$2,228 94	
Hobbs & Warren Co., book and ink	1 75	
Wesley A. Maynard, advertising	4 00	
New England Telephone & Telegraph Co., service	27 45	
Somerville Journal Co., advertising	7 00	
R. Woodman Mfg. & Supply Co., steel stamps	7 90	
		<u>\$2,277 04</u>

Electrical Department.

CREDIT.

Appropriations, from Taxes, 1911	\$8,500 00
Excess and Deficiency account, balance transferred	3 44
	<u>\$8,503 44</u>

Receipts:—

Cash, received of Edison Electric Illuminating Co., grounding wires	\$250 00	
William T. Crotty, cutting wires	21 00	
		<u>271 00</u>
		<u>\$8,774 44</u>

DEBIT.

(Expenditures.)

Cash, paid Walter I. Fuller, salary as commissioner of electric lines and lights	\$1,500 00
disbursements	21 23
Laborers	4,270 90
American Dye Wood Co., vitriol	72 12
American Express Co., expressing	70
American Steel & Wire Co., wire	33 86
F. W. Barry, Beale & Co., stationery	7 80
Beatty Zinc Works Co., zincs	42 50
Barbour, Stockwell Co., castings	1 72
Boston & Maine Railroad, freight	11 15
E. M. F. Boston Co., cylinder, etc.	23 05
Clifton Mfg. Co., tape	10 50
Commercial Brewing Co., use of whistle	60 00
S. H. Couch Co., electrical supplies	64 13
Chandler & Farquhar Co., files	34 05
Cochrane Chemical Co., vitriol	11 82
Davenport-Brown Co., wood work	26 40
S. B. Dow, use of auto	25 00
Julian D'Este Co., composition	3 65
Electric Goods Mfg. Co., wire	62
Gilman Express Co., expressing	5 65
Gamewell Fire Alarm Telegraph Co., elements	1,677 82
Globe Optical Co., thermometer	80
George E. Gilchrist Co., pipe	7 93
Thomas W. Gleason, wheels	1 00
Hill-Michie Co., gasoline	35 50
Heaney Mfg. Co., sponge, etc.	7 30
Jim Hodder, sheets, etc.	5 88
Amount carried forward	<u>\$7,963 08</u>

Amount brought forward	\$7,963 08	
Stuart-Howland Co., telegraph key	2 00	
Highland Coal Co., cement	1 12	
Jenney Mfg. Co., oil	9 90	
George W. Ladd, jobbing	35	
T. E. Littlefield, lumber	1 04	
G. B. Lawrence Co., slate	6 25	
Wesley A. Maynard, printing	9 00	
Mitchell, Wing & Co., soda	1 00	
New England Telephone & Telegraph Co., service	72 43	
New York Insulated Wire Co., wire	7 05	
Pettingell, Andrews Co., electrical supplies	9 35	
Pattinson Mfg. Co., repairing	5 00	
Phillips Co., re-finishing	3 25	
W. E. Plumer & Co., hardware	58 04	
Charles E. Perry & Co., electrical supplies	58 73	
A. G. Renner, expressing	5 30	
John B. Rufer, repairing	45 15	
Russell & Co., soap	1 80	
Standard Plate Glass Co., glass	2 48	
James J. Shannon & Co., typewriter	35 00	
Thorpe's Express, expressing	4 05	
U. S. Rubber Tire Co., repairing tires	11 00	
Underhill Hardware Co., gasoline	5 10	
Western Electric Co., supplies	94 44	
Weatherbee Brothers, shoes for automobile	68 40	
William J. Wiley, pans for automobile	4 35	
W. E. Plumer & Co., battery, etc.	6 03	
	<hr/>	
	\$8,490 69	
Fire Department account, motor	45 00	
board of horse	150 19	
Police Department account, board of horse	88 56	
	<hr/>	
		\$8,774 44

Electrical Department, Underground Construction.

CREDIT.

Balance from 1910	\$269 37
Lowell Street Bridges account, amount transferred	4,000 00
	<hr/>
	\$4,269 37
Balance to credit of account, 1912	1,077 37
	<hr/>
	\$3,192 00

DEBIT.

(Expenditures.)

Cash, paid laborers	\$761 40
American Steel & Wire Co., wire	2,244 18
Wesley A. Maynard, advertising	3 50
New York Insulated Wire Co., cable	37 43
James Sugden, drawing in cable	145 49
	<hr/>
	\$3,192 00

FORESTRY.**Gypsy and Brown Tail Moth Extermination.**

CREDIT.

Appropriations, from Taxes, 1911	\$1,500 00
Taxes, assessments levied	1,166 71
Highway Maintenance account, amount transferred	586 72
	<hr/>
	\$3,253 43

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,913 14
Barrett Mfg. Co., creosote	8 84
Frost Insecticide Co., arsenate of lead	60 00
Fellows & Co., repairing ladder	13 95
Thomas Groom & Co., assessment book,	10 75
Wesley A. Maynard, printing	17 25
Loena A. Snowman, clerical work	40 00
Somerville Journal Co., printing	35 00
Underhill Hardware Co., hardware	17 30
	<hr/>
	\$3,116 23
Highways Maintenance account, use of city teams	137 20
	<hr/>
	\$3,253 43

Elm Leaf Beetle Extermination.

CREDIT.

Appropriations, from Taxes, 1911	\$800 00
Excess and Deficiency account, balance transferred	86 02
	<hr/>
	\$713 98

DEBIT.

(Expenditures.)

Cash, paid laborers	\$247 33
Frost Insecticide Co., arsenate of lead	276 00
Fitzhenry, Guptill Co., handle for nozzle,	6 00
Wesley A. Maynard, printing	13 75
Merrimac Chemical Co., arsenate of lead,	70 00
E. S. Sparrow & Co., tacks	48
Somerville Automobile Co., oil, etc.	3 00
Underhill Hardware Co., hardware	1 90
Valvoline Oil Co., cylinder oil	9 75
	<hr/>
	\$628 21
Water Maintenance account, gasoline	4 50
Highways Maintenance account, use of city teams and materials	81 27
	<hr/>
	\$713 93

Care of Trees.

CREDIT.

Highways Maintenance account, amounts transferred:—	\$500 00
	58 17
	3,000 00
	<hr/>
	\$3,558 17

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,585 36	
F. C. Ayer, lumber	26 27	
Fellows & Co., poles and repairing ladder	3 20	
Frost Insecticide Co., arsenate of lead	60 00	
Glines Express Co., expressing	1 50	
Underhill Hardware Co., hardware	83 68	
Valvoline Oil Co., oil	3 25	
Whitney & Snow, glass and putty	1 00	
	<hr/>	
	\$2,764 26	
Highways Maintenance account, use of city teams	793 91	
	<hr/>	
		<u>\$3,558 17</u>

Care of Trees, Additional Equipment.

CREDIT.

Highways Construction account, amount transferred	\$1,300 00	
Less balance returned	11 00	
	<hr/>	
		\$1,289 00

DEBIT.

(Expenditures.)

Cash, paid Fitzhenry, Guptill Co., spraying equipment	<u>\$1,289 00</u>
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HEALTH AND SANITATION.**HEALTH.****Health Department.**

CREDIT.

Appropriations, from Taxes, 1911	\$6,400 00	
Interest account, amount transferred	800 00	
Excess and Deficiency account, amount transferred	\$2,000 00	
balance	178 57	
	<hr/>	
		2,178 57
		<hr/>
		\$9,378 57
Commonwealth of Massachusetts, care of patients	82 00	
Stock and labor billed other departments:—		
Refuse and Garbage Disposal account, burying animals	\$18 50	
Inspection of Animals and Provisions ac- count, reimbursement	3 00	
	<hr/>	
		21 50
Receipts:—		
Cash, received of George H. Galpin, clerk:—		
permits	\$115 00	
peddlers' licenses	24 00	
masseurs' licenses	2 00	
	<hr/>	
	\$141 00	
	<hr/>	
Amounts carried forward	\$141 00	<u>\$9,482 07</u>

Amounts brought forward	\$141 00	\$9,482 07
City of Boston, care	36 04	
City of Lowell, care	4 00	
City of Taunton, care	4 35	
North Reading State Sanitarium, money refunded	20 57	
Rutland State Sanitarium, care	10 00	
Lakeville State Sanitarium, care	26 29	
Jenney Mfg. Co., barrels returned	5 45	
	<hr/>	247 70
		<hr/>
		\$9,729 77

DEBIT.

(Expenditures.)

Cash, paid Caleb A. Page, salary as agent	\$1,500 00
Sundry persons, burying dead animals	18 50
Frank L. Morse, M. D., salary as medical inspector	1,500 00
visits to dangerous cases	200 50
George H. Galpin, salary as clerk	726 03
American Express Co., expressing	8 60
Adams Pharmacy, delivering cultures	70
A. R. Andrews, noiseless automatics for typewriter	2 00
D. J. Bennett, repairing harness	15 80
Charles M. Berry, reimbursement	3 00
Walter S. Barnes, boxes	8 75
Cambridge Ice Co., ice	19 20
Claude Curtis, delivering cultures	1 80
Cotter's Express, expressing	15
Jackson Caldwell & Co., furniture	16 38
City of Boston, care of patients	745 71
City of Cambridge, care of patients	914 20
Commonwealth of Massachusetts, care of patients	212 80
De Pree Chemical Co., fumigators	172 80
Edward Edwards, medicine and deliver- ing cultures	15 90
P. S. Eaton, delivering cultures	1 30
John S. Frost, provisions	88
W. S. Furbush, delivering cultures	20
Charles F. Giles, provisions	108 00
Glines & Co., expressing	2 00
Thomas Groom & Co., books and sta- tionery	61 75
W. A. Greenough & Co., directory	4 00
Gilman Express Co., expressing	55
F. W. Gay, delivering cultures	1 00
C. H. Goldthwaite, hospital supplies	7 83
Hobbs & Warren Co., blanks	1 11
Percy A. Hall, delivering cultures	6 60
E. J. Hervey Co., groceries	23 57
Sarah M. Hulbert, nurse in smallpox case	95 00
Lakeville State Sanitarium, care of patients	328 55
Library Bureau, index cards	10 38
	<hr/>
Amount carried forward	\$6,735 54

Amount brought forward	\$6,735 54	
Mass. State Sanitarium, care of patients,	338 84	
Wesley A. Maynard, advertising	7 40	
City of Medford Police Department, service of officer at pest house	17 50	
James H. Maguire Co., groceries	30 65	
New England Telephone & Telegraph Co., service	108 52	
North Reading State Sanitarium, care of patients	912 56	
Henry W. Perry, delivering cultures, and laboratory supplies	11 10	
A. P. Rockwood, board of horse	393 25	
Ira L. Roberts, shoeing	21 75	
Rutland State Sanitarium, care of patients	181 53	
Richardson Pharmacy, delivering cultures	20	
Charlotte Seeley, nurse in smallpox case	65 00	
Somerville Reporter, printing	5 50	
Somerville Post-office, postage and box rent	19 62	
Somerville Journal Co., printing	99 44	
R. F. Stephenson, care of patients	104 00	
R. M. Sturtevant, care of patients	115 25	
Smith-Premier Typewriter Co., machine and supplies	108 05	
Somerville Hospital, care of patients	24 29	
R. C. Small, rubber tire	11 75	
Thorpe's Express, expressing	55	
Harry Tobin, horseshoeing	6 25	
George W. Wood, provisions	72 00	
Westfield State Sanitarium, board	240 57	
I. B. Walker, repairs on team	95	
Samuel Ward Co., supplies	31 87	
John Wood, painting buggy	12 00	
F. S. Webster Co., pencil sharpener, etc.,	4 00	
Yawman & Erbe Mfg. Co., supplies	49 84	
		<u>\$9,729 77</u>

Inspection of Animals and Provisions.

CREDIT.

Appropriations, from Taxes, 1911	\$1,225 00	
Excess and Deficiency account, balance transferred	9 03	
		<u>\$1,234 03</u>

DEBIT.

(Expenditures.)

Cash, paid Charles M. Berry, salary as inspector of animals and provisions	\$1,200 00	
Jackson Caldwell & Co., teaming	5 00	
New England Telephone & Telegraph Co., service	24 88	
Whitney & Snow, hardware	1 15	
	<u>\$1,231 03</u>	
Health Department account, reimbursement	3 00	
		<u>\$1,234 03</u>

Inspection of Milk and Vinegar.

CREDIT.

Appropriations, from Taxes, 1911	\$1,000 00
Excess and Deficiency account, balance transferred . . .	63 51

 \$936 49

Receipts:—

Cash, received of Herbert E. Bowman:—

licenses	\$287 50
analyses	83 50
Sundry persons, analytical work	180 50

 551 50

 \$1,487 99

DEBIT.

(Expenditures.)

Cash, paid Herbert E. Bowman, salary as	
inspector of milk and vinegar	\$1,200 00
disbursements	135 68
American Express Co., expressing	30
J. T. Baker Chemical Co., chemicals	5 94
Cotter's Express, expressing	54
Cochrane Chemical Co., vitriol	2 75
Dennison Mfg. Co., labels	10
J. R. Fallon, milk agar	11 50
Thomas Groom & Co., labels	15
Gilman Express Co., expressing	1 25
Peter Gray & Sons, sterilizer	4 75
International Instrument Co., pipette	3 35
Wesley A. Maynard, printing	11 75
Henry W. Perry, supplies	5 77
Somerville Journal Co., advertising	59 70
Somerville Post-office, postage	6 92
Underhill Hardware Co., lantern	1 25
Whitall, Tatum Co., supplies	8 68
Yawman & Erbe Mfg. Co., cabinet	10 31

 \$1,470 69

Water Maintenance account, gasoline	17 30
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 \$1,487 99
Inspection of School Children.

CREDIT.

Appropriations, from Taxes, 1911	\$1,550 00
Excess and Deficiency account, balance transferred . . .	42 00

 \$1,508 00

DEBIT.

(Expenditures.)

Cash, paid W. L. Bond, medical inspection,	\$200 00
Herbert Cholerton, medical inspection	200 00
Edw. J. Dailey, medical inspection	200 00
Robert F. Gibson, medical inspection	200 00

 Amount carried forward \$800 00

Amount brought forward	\$800 00	
Loring H. Raymond, medical inspection	200 00	
Francis Shaw, medical inspection	200 00	
H. M. Stoodley, medical inspection	200 00	
M. W. White, medical inspection	100 00	
Somerville Journal Co., printing	8 00	
		<u>\$1,508 00</u>

City Clerk's Department, Vital Statistics.

CREDIT.

Appropriations, from Taxes, 1911	\$2,500 00	
Public Buildings Department, Maintenance Central Library account, amount transferred	200 00	
		<u>\$2,300 00</u>
Excess and Deficiency account, balance transferred	102 60	
		<u>\$2,197 40</u>

DEBIT.

(Expenditures.)

Cash, paid Allen, Doane & Co., badges	\$3 90	
Robert Burlen, binding	1 40	
George I. Canfield, canvassing births	48 60	
Clara Z. Elliot, canvassing births	11 70	
Annie M. Gilcrease, canvassing births	72 00	
Wesley A. Maynard, advertising	13 25	
Sundry persons, returning births	384 75	
Sundry persons, returning deaths	198 50	
Somerville Journal Co., printing and advertising	20 00	
Richard H. Tincker, canvassing births	83 30	
		<u>\$837 40</u>
City Clerk's Department account, clerical work	1,360 00	
		<u>\$2,197 40</u>

Contagious Disease Hospital.

CREDIT.

Appropriations, from Taxes, 1911	\$1,000 00	
Excess and Deficiency account, amount transferred	3,000 00	
Interest account, amounts transferred:—		
	\$1,500 00	
	500 00	
		<u>2,000 00</u>
Overlay and Abatement account, amount transferred	850 00	
		<u>\$6,850 00</u>
Excess and Deficiency account, balance transferred	343 25	
		<u>\$6,506 75</u>
Receipts:—		
Commonwealth of Massachusetts, care of patients	1,108 57	
		<u>\$7,615 32</u>
Amount carried forward		

Amount brought forward		\$7,615 32
Cash, received for care of patients:—		
City of Boston	\$490 01	
City of Cambridge	171 43	
City of Chelsea	4 29	
City of Malden	36 42	
City of Medford	320 98	
City of Northampton	27 86	
City of Salem	77 14	
Town of Arlington	186 42	
Town of Petersham	45 00	
Town of Revere	77 86	
Town of Saugus	51 42	
Town of Watertown	74 99	
Sundry persons	1,079 13	
		<hr/>
		2,642 95
		<hr/>
		\$10,258 27

DEBIT.

(Expenditures.)

Cash, paid Edith M. Grant, matron, incidental expenses	\$250 00
Nurses and assistants	4,898 59
Robert Burlen, binding	3 00
Calumet Tea & Coffee Co., supplies	16 80
Cambridge Ice Co., ice	138 27
C. F. Crocker, provisions	12 75
Dr. H. F. Curtis, services	5 00
S. H. Couch Co., repairs to telephone	2 35
Cutter & Wood Supply Co., lacquer	1 74
Dennison Mfg. Co., napkins	42 00
Farley, Harvey & Co., cloth	94 47
Willis S. Furbush, supplies	100 38
Fleischmann Yeast Co., yeast	5 10
Furbush & Co., supplies	71 01
J. Frank Gear, supplies	5 44
C. H. Goldthwaite, tube and jar	1 40
W. A. Greenough & Co., directory	4 50
G. F. Gurney & Co., cloth	8 65
H. P. Hood & Sons, milk	287 35
F. J. Hopkins, fish	97 60
Martin L. Hall Co., coffee and tea	84 95
Hobbs & Warren Co., blanks	1 11
F. A. Hyde & Co., safe	40 00
J. W. Howard, plants	9 95
I. N. Holman, repairing mower	1 50
Hydro Palm Soap Co., soap powder	2 10
George T. Johnson Co., toilet paper	11 00
Jordan Marsh Co., sundries	183 82
Jones, McDuffee & Stratton, dishes	31 74
Library Bureau, index cards	10 70
Lewis Mfg. Co., sheeting	20 63
W. J. McGraw Stamp Co., stencils	13 75
Mitchell, Wing & Co., soap	13 13
Miley Soap Co., soap	16 25
New England Telephone & Telegraph Co., service	71 69
	<hr/>
Amount carried forward	\$6,558 72

Amount brought forward	\$6,558 72	
Dr. E. W. Nagle, vaccine	5 00	
George A. Odiorne Coat Co., gowns	10 50	
National Biscuit Co., biscuits	28 33	
Dr. E. R. Newton, services	50 00	
S. S. Pierce Co., brandy	9 40	
Richardson, Wright & Co., cabinet, etc.,	340 70	
P. L. Rider, covers	2 08	
E. S. Sparrow & Co., hardware	22 73	
C. L. Stevens, provisions	2,023 23	
F. L. Sawtell, paper	8 22	
A. N. Swallow & Co., groceries	392 81	
Somerville Brush Co., brushes	22 70	
Somerville Journal Co., envelopes	17 50	
Sampson-Soch Co., tube fitted	8 08	
F. W. Smith & Co., repairing freezer	75	
Stone & Forsyth, napkins and cups	8 60	
L. H. Steele, papers	2 08	
A. S. Tyler, milk	287 90	
Samuel Ward Co., stationery	14 12	
Washburn, Crosby Co., flour	100 55	
Whitall, Tatum Co., bottles	12 99	
C. E. J. Wilson, repairing clocks	3 00	
H. G. White Co., desk fan	15 50	
	<hr/>	
Support of Poor, City Home account,	\$9,945 49	
produce	312 78	
	<hr/>	
		<u>\$10,258 27</u>

**Public Buildings Department, Maintenance Contagious
Disease Hospital.**

CREDIT.

Appropriations, from Taxes, 1911	\$2,400 00
Interest account, amount transferred	300 00
	<hr/>
	\$2,700 00
Excess and Deficiency account, balance transferred	87
	<hr/>
	\$2,699 13

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$550 00
Bay State Belting Co., belt	4 84
H. W. Bursaw, oil	96
S. H. Couch Co., installing telephone	107 24
sets	11 20
D. A. Carr, plumbing	46 92
Cambridge Gas Light Co., gas	112 80
Durand Steel Locker Co., lockers	64
Davenport-Brown Co., pine blocks	1 00
J. H. Edwards, rods	611 02
Edison Electric Illuminating Co., light-	12 00
ing	
Thomas Dowd, plastering	
	<hr/>
Amount carried forward	\$1,458 62

Amount brought forward	\$1,458 62	
Galassi Mosaic & Tile Co., terrazzo flooring	99 00	
Eugene Girroir, labor	9 00	
Glines & Co., expressing	1 40	
The Grant Nail & Supply Co., pulley	1 01	
J. W. Howard, shrubs and planting	30 00	
Martin & Wood, keys	1 05	
A. M. Morton & Co., piping	3 28	
Pittsburg Plate Glass Co., glass	1 05	
Pierce, Butler & Pierce Mfg. Co., boiler	35 25	
A. M. Pride, labor	457 13	
George L. Robinson, glazing	2 02	
E. S. Sparrow & Co., hardware	4 41	
F. W. Smith & Co., repairing lawn sprinkler	50	
W. A. Thompson & Co., hose, etc.	12 35	
Charles L. Underhill, hardware	3 75	
William J. Wiley, hardware	36 29	
Wellington-Wild Coal Co., coal	536 35	
H. G. White Co., electrical work	6 62	
		<u>\$2,699 13</u>

Tuberculosis Hospital Construction.

CREDIT.

Balance from 1910	\$4,854 65
Building Public Buildings account, balance returned	4 07
	<u>\$4,850 58</u>

DEBIT.

(Expenditures.)

Cash, paid D. A. Carr, plumbing	\$915 00
J. J. Hurley & Co., construction	670 00
B. L. Makepeace, blue prints	2 18
McKenney & Waterbury Co., fixtures	62 00
Pittsburg Plate Glass Co., glass	1 50
A. M. Pride, construction	2,000 00
Richardson, Wright & Co., steel furniture	905 90
E. S. Sparrow & Co., hardware	280 00
W. A. Thompson & Co., burner for gas range	14 00
	<u>\$4,850 58</u>

Tuberculosis Hospital.

CREDIT.

Appropriations, from Taxes, 1911	\$1,000 00
Excess and Deficiency account, amount transferred	611 63
Interest account, amount transferred	200 00
	<u>\$1,811 63</u>
Excess and Deficiency account, balance transferred	215 08
	<u>\$1,596 55</u>
Amount carried forward	

Amount brought forward		\$1,596 55
Receipts:—		
Commonwealth of Massachusetts, care of patients		284 00
Cash, received of City of Boston	\$124 30	
City of Cambridge	35 72	
City of Everett	44 29	
City of Malden	71 43	
City of Taunton	40 01	
Sundry persons	457 46	
		<hr/> 773 21
		<hr/> \$2,653 76

DEBIT.
(Expenditures.)

Cash, paid nurses and assistants	\$1,828 42	
Callender, McA. & T. Co., quilts, etc.	333 55	
C. H. Goldthwaite & Co., stethoscope	3 50	
Jones, McDuffee & Stratton, dishes	86 67	
Jordan Marsh Co., kitchen goods	40 32	
Library Bureau, binders	2 75	
Pneumatic Hand Stamp Co., stamp	23	
P. L. Rider, rubber goods	132 23	
Shepard, Norwell & Co., gowns, etc.	135 53	
Sampson-Soch Co., aspirator	6 75	
Somerville Journal Co., printing	43 65	
Wilson, Larrabee & Co., sundries	40 16	
		<hr/> \$2,653 76

Public Buildings Department, Maintenance Tuberculosis Hospital.

CREDIT.

Reduction of Funded Debt account, amount transferred	\$1,000 00
Appropriations, from Taxes, 1911	1,200 00
	<hr/> \$2,200 00
Excess and Deficiency account, balance transferred	18 32
	<hr/> \$2,181 68

DEBIT.
(Expenditures.)

Cash, paid janitors' salaries	\$296 00
J. A. Bremner & Co., frame and glass	50
Bartholomew Burke, labor	31 50
H. W. Bursaw, oil	40
Jackson Caldwell & Co., lockers	6 00
Cambridge Gas Light Co., gas	42 50
D. A. Carr, plumbing	218 00
Davenport-Brown Co., wedges	50
Edison Electric Illuminating Co., light- ing	102 10
C. H. Goldthwaite & Co., scales	14 50
Galassi Mosaic & Tile Co., terrazzo floors	65 00
J. J. Hurley & Co., installing water heater	281 87
	<hr/> \$1,058 87
Amount carried forward	\$1,058 87

Amount brought forward	\$1,058 87
H. W. Johns-Manville Co., asbestocel covering	99 00
L. E. Knott Apparatus Co., drinking fountains	21 60
William Leavens & Co., furniture	127 20
T. E. Littlefield, lumber	3 60
McKenney & Waterbury Co., installing sockets	6 43
J. Otis McFadden Co., shades	40 60
Morandi-Proctor Co., heating apparatus	67 50
C. W. H. Moulton Co., chairs	39 00
P. W. Merrill Co., screening	389 85
George L. Robinson, glazing	3 03
E. S. Sparrow & Co., hardware	2 40
Turner Asbestos Co., pipe covering	7 50
Wellington-Wild Coal Co., fuel	173 33
William J. Wiley, hardware	61 70
H. G. White Co., electrical work	80 07
	<hr/>
	<u>\$2,181 68</u>

SANITATION.**Sewers Construction.**

CREDIT.

Balance from 1910	\$5,281 94
Appropriations, from Funded Debt, 1911	20,000 00
Sewer Assessments account, assessments levied	3,451 14
	<hr/>
	\$28,733 08

Reduced by the following transfers:—

Building Public Buildings account	\$1,816 45
Paved Gutters and Crossings account	5,000 00
Recreation Field, Alewife Brook account	5,000 00
	<hr/>
	11,816 45

Balance to credit of account, 1912	\$16,916 63
	6,009 76

Stock and labor billed other departments:—	
Sidewalks Construction account, edgestones	27 43

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,318 27
Bartholomew Burke, constructing sewers:—	
Lowell circle	81 12
Veazie street	89 33
North street	831 33
Mt. Vernon avenue and terrace	199 38
Summer street	214 88
Snow place	175 42
Bailey street	470 12
	<hr/>
Amount carried forward	\$4,379 85

Amount brought forward	\$4,379 85	
West Quincy street	655 34	
Timothy F. Crimmings, constructing sewers:—		
West Adams street	635 96	
Waldo avenue	170 75	
John D. Collins, constructing sewers:—		
Harold street	174 65	
F. C. Ayer, spruce	5 04	
Alpha Portland Cement Co., cement	1,421 40	
Edwin O. Childs, recording	11 95	
Davenport-Brown Co., lumber	86	
Thomas Groom & Co., books	11 00	
Highland Coal Co., cement	415 34	
George W. Ladd, sharpening tools	3 65	
New England Brick Co., bricks	282 96	
Penn. Metal Ceiling & Roof Co., iron, etc.	39 62	
Sessions Foundry Co., castings	656 39	
James Tevlin, teaming	711 40	
Frederick B. Witherly, castings	214 98	
Waldo Brothers, pipe and cement	919 89	
	<hr/>	
	\$10,711 03	
Highways Maintenance account, dynamite	14 87	
Engineering Department, Parks Maintenance account, labor and teaming	100 00	
Sewers Maintenance account, labor and teaming	96 63	
Water Maintenance account, drain pipe	11 72	
	<hr/>	
		\$10,934 30

Sewers Maintenance.

CREDIT.

Water Works Income account, amount appropriated	\$13,000 00	
Excess and Deficiency account, balance transferred	45	
	<hr/>	
		\$12,999 55
Stock and labor billed other departments:—		
Water Maintenance account, gates	\$132 28	
Highways Maintenance account, stone	71 76	
Sewers Construction account, labor and teaming	96 68	
Engineering Department account, labor, etc.	28 00	
	<hr/>	
		328 72
Receipts:—		
Cash, received of Alpha Portland Cement Co., bags	\$295 60	
Highland Coal Co., cement bags	101 20	
Cambridge Gas Light Co., repairs	18 57	
Joseph Talalaewsky, old iron	13 40	
A. M. Silverman, hose	10 47	
	<hr/>	
		439 24
	<hr/>	
		\$13,767 51

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,691 55
American Express Co., expressing	4 35
Boston & Maine Railroad Corporation, freight	13 04
Boston Rubber Shoe Co., rubber boots	58 56
Harold L. Bond Co., tools	12 00
E. W. Bailey, oil and grease, etc.	10 00
Charles E. Berry, repairing	50
Cornelius Callahan Co., repairing hose	44 53
J. Cohen, rubber boots	50 00
William Coogan, canvas	6 00
E. W. Danforth, disbursements	38 25
Edson Mfg. Co., pump, hose, etc.	56 88
F. W. Farrar, repairing clock	3 00
Gulf Refining Co., oil	13 00
Thomas Groom & Co., books	12 00
William S. Howe, supplies	13 50
D. Kratman, oilskin pants and hats	15 50
George W. Ladd, sharpening drills, etc.,	40
D. Mahoney, repairing	11 90
Martin & Wood, sharpening	3 45
John J. McCarty, damages	50 00
New England Telephone & Telegraph Co., service	64 44
New England Brick Co., bricks	72 00
M. Norton & Co., hose	148 15
A. Silverman, patches	3 70
James Tevlin, teaming	5,097 04
Underhill Co., repairing machine	147 88
Waldo Brothers, cement	4 07
I. B. Walker, repairing tools	28 44
Frederick B. Witherly, castings	39 98
Whitney & Snow, hardware	33 64

 \$13,747 75

Fire Department account, hose, etc. 11 95

Water Maintenance account, drain pipe 7 81

 \$13,767 51

 Metropolitan Sewer Maintenance assessment \$22,160 32
 (See Commonwealth of Massachusetts account)
Public Buildings Department, Maintenance Sewer Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$100 00
Excess and Deficiency account, balance transferred	7 87
	<hr/>
	\$92 13

DEBIT.

(Expenditures.)

Cash, paid Davenport-Brown Co., wood	\$ 90
Hemeon Brothers, carpentering	11 17
J. Edward L. McLean, carpentering	17 36
Charles F. Mills, carpentering	34 20
Wellington-Wild Coal Co., coal	28 50

 \$92 13

Refuse and Garbage Disposal.

CREDIT.

Appropriations, from Taxes, 1911	\$50,000 00
Interest account, amounts transferred:—	
\$12,000 00	
6,000 00	
	<hr/>
	18,000 00
Overlay and Abatement account, amount transferred . . .	1,725 00
	<hr/>
	\$69,725 00
Excess and Deficiency account, balance transferred . . .	636 08
	<hr/>
	\$69,088 92
Stock and labor billed other departments:—	
Support of Poor, City Home account, garbage	344 90
Receipts:—	
Cash, received of sundry persons, garbage	\$9,129 55
Domenico Stefano, use of incinerator	340 00
Paul N. Raymond, paper	225 00
	<hr/>
	9,694 55
	<hr/>
	\$79,128 37

DEBIT.

(Expenditures.)

Cash, paid Edgar T. Mayhew, salary as superintendent	\$1,400 00
Laborers	56,061 48
T. Allen, teaming	302 50
D. J. Bennett, covers, etc.	763 37
Jerry Buttimer, teaming	15 00
Boston Woven Hose & Rubber Co., hose	19 70
Joseph Breck & Sons, truck	6 00
E. F. Caldwell, teaming	690 00
Daniel Collins, teaming	90 00
J. Caldwell & Co., teaming	65 00
J. H. Edwards, shoeing	66 50
John Fisher & Co., offal pails	34 50
James H. Fannon, teaming	35 00
Thomas Groom & Co., stationery	18 35
Glines & Co., expressing	25
William Kirkland, teaming	120 00
Henry P. Kinney, horseshoeing	15 50
William T. Kilmartin, teaming	1,626 80
George W. Ladd, shoeing	179 25
Lord & Webster, hay	1,600 67
George McDormand, shoeing	326 63
New England Telephone & Telegraph Co., service	37 86
Edward O'Brien, shoeing	72 01
Fulton O'Brien, hay	2,392 93
Caleb A. Page, burying animals	79 75
Proctor Brothers Grain Co., hay and grain	604 42
John B. Rufer, repairing	73 00
Frank Richardson, shoeing	52 50
	<hr/>
Amount carried forward	\$66,748 97

Amount brought forward	\$66,748 97	
Henry W. Perry, flaxseed meal	2 50	
Phelps Brothers, hay	1,061 22	
Charles R. Simpson, veterinary services,	217 00	
Somerville Iron Foundry, wheels	17 15	
Suburban Coal Co., teaming	561 25	
Charles Savoy, teaming	55 00	
Somerville Journal Co., printing	27 00	
E. Teel & Co., pungs	300 00	
J. H. Thompson, board of horse and teaming	2,394 61	
Nathan Tufts & Sons, oats	828 00	
William J. Thompson & Co., hay	265 19	
Charles L. Underhill, repairing	1 80	
I. B. Walker, shoeing	750 16	
Whitney & Snow, hardware	134 34	
John Wilson, teaming	862 50	
L. A. Wright, repairing	128 95	
Welch & Hall Co., horses	1,490 00	
John Wood, painting	15 00	
	<hr/>	
	\$75,860 64	
Highways Maintenance account, teaming	3,249 23	
Health Department account, burying dead animals	18 50	
	<hr/>	
		\$79,128 37

Public Buildings Department, Maintenance Refuse and Garbage Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$750 00	
Excess and Deficiency account, balance transferred	11 88	
	<hr/>	
		\$738 12
Cash, received of Mrs. Charles Williams, burning waste paper	1 00	
	<hr/>	
		\$739 12

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$11 67	
American Express Co., expressing	1 50	
C. W. Cahalan, plumbing	36 12	
Edison Electric Illuminating Co., light- ing	211 98	
Glines & Co., expressing	25	
T. E. Littlefield, building material	32 37	
John Lingard, painting	26 40	
Charles F. Mills, carpentering	121 60	
F. W. Merrill, repairing lights	1 68	
J. Edward L. McLean, carpentering	3 70	
Pittsburg Plate Glass Co., glass	61	
Priest, Page & Co., proportional part of platform	50 00	
John B. Rufer, bolts	2 20	
	<hr/>	
Amount carried forward	\$500 08	

Amount brought forward	\$500 08	
George L. Robinson, painting	1 92	
Sullivan Machinery Co., supplies	16 50	
E. S. Sparrow & Co., hardware	15 79	
Somerville Coal Co., fuel	11 60	
Wellington-Wild Coal Co., fuel	87 67	
John M. Woods & Co., lumber	49 82	
Walsh Brothers, mason work	12 71	
Whitten & Jackson, piping	43 03	
		<u>\$739 12</u>

Incinerator Building.

CREDIT.

Building Public Buildings account, amount transferred	\$1,800 00
Balance to credit of account, 1912	121 11
	<u>\$1,678 89</u>

DEBIT.

(Expenditures.)

Cash, paid J. Edward L. McLean, on account of contract	\$300 00
Turner Asbestos Co., roofing	128 25
Walsh Brothers, on account of contract,	750 64
	<u>\$1,678 89</u>

Highways, Street Cleaning.

CREDIT.

Highways Maintenance account, amount transferred	\$22,929 92
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DEBIT.

(Expenditures.)

Cash, paid laborers	\$17,730 81
Teaming, hired teams	1,646 17
American Broom Co., refilling brooms	60 00
Edson Mfg. Co., tools	33 35
Walter W. Field & Son, repairing sweeper	12 74
Perrin, Seamans & Co., scoops	16 00
E. S. Sparrow & Co., hardware	33 75
	<u>\$19,532 82</u>
Highways Maintenance account, use of city teams	3,397 10
	<u>\$22,929 92</u>

HIGHWAYS.**Highways Construction.**

CREDIT.

Balance from 1910	\$1,817 69
Appropriations, from Funded Debt, 1911	50,000 00
Charged to Highway Betterment Assessments account, assessments levied	2,870 23
	<u>\$54,687 92</u>
Amount carried forward	\$54,687 92

Amount brought forward		\$54,687 92
Reduced by the following transfers:—		
Care of Trees, Additional Equipment account	\$1,300 00	
less balance returned	11 00	
	<hr/>	
	\$1,289 00	
Paved Gutters and Crossings account	66 11	
	<hr/>	
		1,355 11
		<hr/>
		\$53,332 81
Balance to credit of account, 1912		1,733 54
		<hr/>
		\$51,599 27
Stock and labor billed other departments:—		
Paved Gutters and Crossings account, paving blocks	\$182 93	
Sidewalks Maintenance account, paving blocks	70	
	<hr/>	
		183 63
Receipts:—		
Cash, received of Barrett Mfg. Co., money refunded		87 81
		<hr/>
		\$51,370 71

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,634 44
Teaming, hired teams	1,081 88
Barrett Mfg. Co., tarvia	4,430 50
Bruno & Petitti, paving Mystic avenue	9,019 31
Boston & Maine Railroad:—	
freight on bricks	6 00
city's portion for rebuilding bridge on Mystic avenue	3,024 07
Coleman Brothers, crushed stone	3,847 72
Edwin O. Childs, Register, recording takings	44 40
C. W. Dolloff & Co., paving:—	
Holland street	2,300 00
Elm street	1,400 00
Teele square	2,700 00
Ball square	2,000 00
extra paving	236 25
Luke D. Mullen, paving blocks	6,670 20
Metropolitan Paving Brick Co., paving blocks	2,720 00
E. S. Sparrow & Co., paint	1 25
Frank B. Sanborn, testing bricks	40 00
Somerville Journal Co., advertising	33 00
Somerville Reporter, advertising	21 00
Winchester Stone Co., stone	181 53
	<hr/>
	\$46,391 55
Highways Maintenance account, use of city teams and materials	5,402 19
Paved Gutters and Crossings account, paving blocks	5 00
Sidewalks Maintenance account, bricks	36 96
Water Maintenance account, stock and labor	35 01
	<hr/>
	\$51,870 71

Highways Maintenance.

	CREDIT.	
Balance from 1910		\$9,569 67
Commonwealth of Massachusetts:—		
Street Railway Tax	\$50,836 88	
Boston Elevated Railway Tax	10,000 74	
		<u>60,837 62</u>
		\$70,407 29
Reduced by the following transfers:—		
Care of Trees account	\$500 00	
	58 17	
	3,000 00	
		<u>\$3,558 17</u>
Sidewalks Maintenance	\$500 00	
	4,000 00	
	154 08	
		<u>4,654 08</u>
Gypsy and Brown-tail Moth Extermination	536 72	
Street Cleaning account	22,929 92	
		<u>31,728 89</u>
		\$38,678 40
Balance to credit of account, 1912		<u>2,769 90</u>
		\$35,908 50

Stock and labor billed other departments:—		
Refuse and Garbage Disposal account, teaming	\$3,249 23	
Sewers Construction account, dynamite	14 87	
Care of Trees account, use of city teams	793 91	
Sprinkling Streets account, use of city teams	2,350 74	
Gypsy and Brown-tail Moth Extermination account, use of city teams	137 20	
Highways Construction account, use of city teams and materials	5,402 19	
Engineering Department account, sand, etc.,	8 14	
Engineering Department, Parks Maintenance account, crushed stone, etc.	106 73	
Street Cleaning account, use of city teams	3,397 10	
Engineering Department, Playgrounds Maintenance account, sand, etc.	40 97	
Paved Gutters and Crossings account, use of city teams	1,091 97	
Sidewalks Maintenance account, use of city teams	820 12	
Sidewalks Construction account, use of city teams	7,439 16	
Elm-leaf Beetle Extermination account, use of city teams and materials	81 27	
Water Maintenance account, stock and labor	71 83	
		<u>25,005 43</u>

Receipts:—		
Cash, received of sundry persons, constructing driveways, etc.	\$646 98	
		<u>\$60,913 93</u>
Amounts carried forward	\$646 98	

Amounts brought forward	\$646 98	\$60,913 93
Boston & Maine Railroad Co.:—		
gravel land	1,083 95	
repairs	86 19	
Alpha Portland Cement Co., bags	845 10	
Boston Elevated Railway Co., labor	350 00	
Edison Electric Illuminating Co., labor	237 82	
		3,250 04
		<u>\$64,163 97</u>

DEBIT.

(Expenditures.)

Cash, paid Asa B. Prichard, salary as street commissioner	\$2,000 00
services as city forester in 1910 and 1911	600 00
Albert M. Burbank, foreman	1,294 00
Laborers	33,818 41
Teaming, hired teams	447 50
F. C. Ayer, lumber	305 29
S. Armstrong Co., bungs	1 00
American Express Co., expressing	4 00
American Broom Co., re-filling brooms,	90 00
Ames Implement & Seed Co., plows	42 30
Ashton Valve Co., repairing rollers	10 27
Alpha Portland Cement Co., cement	3,082 18
The American Steam Packing Co., re- pairing roller	1 87
Ames Plow Co., plow handles	3 75
Archibald Wheel Co., hub	6 12
Braman, Dow & Co., fittings	18 74
Charles E. Berry, labor	11 29
Henry K. Barnes Co., belting	17 05
Barrett Mfg. Co., tarvia	3,207 61
Harold E. Bond Co., wood blocks	138 36
Boston & Maine Railroad, freight on cement, etc.	424 93
Buffalo Steam Roller Co., fittings	377 92
Burbank & Ryder Varnish Co., varnish	36 00
L. W. Bowen, curbing and steps	20 00
John W. Brady, settlement of damage claim	25 00
Jerry Buttmer, stone	87 48
Boston Belting Co., belting	4 70
Boston Grease Co., grease	7 50
Boston Woven Hose & Rubber Co., hose	23 85
S. Brown, salt and lard	90
Selwyn Z. Bowman, Trustee, settlement of damages to estate on Temple street,	79 00
G. S. Cheney Co., remedies	38 80
Consolidated Rendering Co., salt	10 00
Chandler & Farquhar, supplies	111 31
Cotter's Express, expressing	1 90
Annie T. Colbert, settlement for in- juries	350 00
Cling Surface Co., cling surface	7 00
Amount carried forward	<u>\$46,706 03</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 101

Amount brought forward	\$46,706 03
L. B. Chandler, loam	15 00
William M. Clark, settlement for in- juries	110 00
Coleman Brothers, crushed stone	964 29
A. W. Chesterton Co., glasses	1 35
O. W. Dix, axle grease	26 25
Dodge, Haley & Co., horseshoes	125 21
Davenport-Brown Co., milling	1 60
S. B. Dorr, use of automobile	25 00
John Deere Plow Co., plow	27 00
R. W. Doe, repairing crusher	4 75
Edson Mfg. Co., valves, etc.	1 76
W. J. Emerson, shoes	6 00
G. S. Fletcher, photographs	11 00
Walter W. Field & Son, repairing road roller	163 52
Robert Fawcett, settlement for injuries	337 50
F. C. Fuller & Co., white lead	16 00
Elizabeth H. Fitzgerald, settlement for injuries	100 00
James H. Fannon, stone	26 23
Fellows & Co., repairing ladder	2 75
Gilman Express Co., expressing	90
Glines & Co., expressing	11 10
Thomas Groom & Co., books and sta- tionery	59 30
Gulf Refining Co., kerosene	202 90
Good Roads Machinery Co., springs and bolts	5 52
W. A. Greenough & Co., directory	4 00
J. E. Gallagher, express wagon	65 00
Globe-Wernicke Co., cabinet and cards	15 45
Bertha F. Gifford, injury to dress	8 00
H. W. Gurney, settlement for injuries	100 00
E. J. Hervey Co., dynamite	162 05
J. J. Hurley & Co., labor on piping	12 91
Hydro Bar Waterproofing Co., can waterproofers	4 50
Arthur C. Harvey Co., horseshoes, etc.,	144 44
W. H. Hitchings, veterinary services	257 00
Hay Brothers Co., iron rods	3 60
William B. Holmes, smoke pipe elbow	1 75
William M. Hasey, settlement for in- juries	350 00
J. W. Howard, plants and flowers	17 00
Sarah A. Huff, settlement for injuries	150 00
Highland Coal Co., cement	44 90
Joy Mfg. Co., wrenches	4 75
William Kirkland, ashes	10 75
George W. Ladd, shoeing	1 80
A. C. Libby & Sons, stationery	41 35
T. E. Littlefield, lumber	31 24
Lord & Webster, hay and grain	2,140 74
S. & R. J. Lombard, paving blocks	57 60
D. J. Moynahan, board of horse	253 97
Morgan & Bond, saddlery hardware	444 58

Amount carried forward \$53,278 34

Amount brought forward	\$53,278 34
J. D. McLellan, salt, etc.	1 80
John W. McLean, levels	2 75
Medford Street Market, lard	4 00
George McDormand, horseshoeing	5 89
W. B. Mullen, sand	1,365 17
Angus McKay, water	72
New England Towel Supply Co., towels,	7 20
New England Brick Co., bricks	20 25
New England Telephone & Telegraph Co., service	87 83
New England Iron Works Co., wagon and repairs	253 35
Caroline E. Nichols, settlement of claim,	10 00
Fulton O'Brien, oats	1,370 91
Edward O'Brien, shoeing	33 00
John O'Brien, settlement for injuries	50 00
Henry W. Perry, blower, etc.	8 65
Proctor Brothers Grain Co., hay and grain	1,694 05
W. E. Plumer & Co., brooms	63 75
Priest, Page & Co., tee bearing	1 05
John A. Pendergast, brooms and handles	8 50
Phelps Brothers, hay	660 25
Parry Brick Co., bricks	68 53
Perrin, Seamans & Co., tools	28 40
W. P. Phillips, cap for oil cups	30
A. M. Pride, fence at city yard	312 20
O. S. Ryerson, emery wheels	4 50
John B. Rufer, clipping	6 00
Rogers Brothers, horseshoeing	2 50
A. F. Robinson Boiler Co., grate and labor	28 66
Roberts Iron Works Co., grates, etc.	39 88
E. S. Sparrow & Co., hardware	227 27
Charles R. Simpson, veterinary services	5 00
George H. Sampson Co., bolts	1 70
Sampson Draught Spring Co., springs	20 00
J. W. Staniford & Co., level glasses	45
Somerville Journal Co., envelopes	12 15
W. A. Smith, tools	6 03
Walter H. Snow & Sons, catering	9 20
Standard Oil Co. of New York, asphalt,	480 15
Katherine Sands, settlement for injuries,	125 00
Charles B. Smith, carriage	25 00
Somerville Post-office, postage	27 62
Taylor Carriage Co., wagon	25 00
R. J. Todd Co., spring holders	5 25
Nathan Tufts & Sons, grain	1,461 60
William J. Thompson & Co., straw	40 13
Underhill Hardware Co., hardware	248 61
Valvoline Oil Co., oil	162 11
Walworth Mfg. Co., discs	3 31
Whitney & Snow, hardware	54 17
I. B. Walker, shoeing	47 28
Samuel Ward Co., stationery	13 53
Amount carried forward	\$62,418 99

Amount brought forward	\$62,418 99	
L. A. Wright, repairing wheels	124 25	
A. M. Wood Co., lumber	32 40	
Wellington-Wild Coal Co., fuel	1,254 84	
Asahel Wheeler Co., oil gold	16 65	
A. J. Wilkinson & Co., iron	1 17	
Winchester Stone Co., stone	137 11	
Waldo Brothers, clay	1 00	
	<hr/>	
	\$63,986 41	
Sewers Maintenance account, stone	71 76	
Highways, Paved Gutters and Crossings account, paving blocks	18 40	
Water Maintenance account, pipe, etc.	65 21	
Sidewalks Construction account, lumber	22 19	
	<hr/>	
		\$64,163 97

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriations, from Funded Debt, 1911	\$6,500 00
Sewers Construction account, amount transferred	5,000 00
Highways Construction account, balance transferred	66 11
	<hr/>
	\$11,566 11

Stock and labor billed other departments:—

Highways Maintenance account, paving blocks	\$18 40	
Sidewalks Construction account, paving blocks	3 80	
Highways Construction account, paving blocks	5 00	
	<hr/>	
		27 20
		<hr/>
		\$11,593 31

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,298 58	
Teaming, hired teams	798 76	
Boston Elevated Railway Co., brow stone	28 40	
S. & R. J. Lombard, paving blocks	4,178 22	
Parry Brick Co., paving bricks	14 45	
	<hr/>	
	\$10,318 41	
Highways Maintenance account, use of city teams	1,091 97	
Highways Construction account, paving blocks	182 93	
	<hr/>	
		\$11,593 31

Sidewalks Construction.

CREDIT.

Balance from 1910	\$2,195 08
Appropriations, from Funded Debt, 1911	20,000 00
	<hr/>
Amount carried forward	\$22,195 08

Amount brought forward		\$22,195 08
Sidewalk Assessments account, assessments levied	\$22,032 88	
Less abatements	17 74	
		<u>22,015 14</u>
		\$44,210 22
Balance to credit of account, 1912		<u>62 38</u>
		\$44,147 84
Stock and labor billed other departments:—		
Highways Maintenance account, lumber		<u>22 19</u>
		\$44,170 03

DEBIT.
(Expenditures.)

Cash, paid laborers	\$20,630 07	
Teaming, hired teams	3,439 01	
F. C. Ayer, lumber	55 19	
Harold L. Bond, canvas	3 20	
Thomas Groom & Co., books and stationery	26 50	
S. & R. J. Lombard, edgestones	9,183 72	
Parry Brick Co., paving bricks	3,317 67	
Fred C. Tobey Land Co., sods	30 28	
Underhill Hardware Co., hose	14 00	
	<u>\$36,699 64</u>	
Highways Maintenance account, use of city teams	7,439 16	
Highways, Paved Gutters and Crossings account, paving blocks	3 80	
Sewers Construction account, edgestones	27 43	
	<u>\$44,170 03</u>	

Sidewalks Maintenance.

CREDIT.

Highways Maintenance account, amounts transferred:—		
	\$500 00	
	154 08	
	<u>4,000 00</u>	
		\$4,654 08
Stock and labor billed other departments:—		
Highways Construction account, bricks		36 96
Receipts:—		
Cash, received of R. C. Grovestein, bricks		<u>6 75</u>
		\$4,697 79

DEBIT.
(Expenditures.)

Cash, paid laborers	\$3,681 83	
Teaming, hired teams	20 00	
New England Brick Co., bricks	20 25	
Parry Brick Co., paving bricks	154 89	
	<u>\$3,876 97</u>	
Amount carried forward		

Amount brought forward	\$3,876 97	
Highways Maintenance account, use of city teams	820 12	
Highways Construction account, paving blocks	70	
		<u>\$4,697 79</u>

Highways, Sprinkling Streets.

CREDIT.

Taxes, assessments levied	\$33,544 15
Excess and Deficiency account, balance transferred	1,965 68
	<u>\$31,578 47</u>

Receipts:—

Cash, received of abutters	\$30 00	
J. F. Ingraham, repairing cart	15 00	
Bruno & Petitti, use of cart	13 00	
		<u>58 00</u>
		<u>\$31,636 47</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$4,614 31
Thomas Allen, sprinkling	90 00
Cornelius R. Bowlby, sprinkling	606 00
Julia J. Buttimer, sprinkling	534 20
Daniel Collins, sprinkling	482 00
Edward Caldwell, sprinkling	126 00
Timothy F. Crimmings, sprinkling	484 84
George E. Carr, sprinkling	540 00
James F. Doherty, sprinkling	531 29
Mrs. Allen A. Emery, sprinkling	64 00
John F. Elkins, sprinkling	596 00
E. W. Emery, sprinkling	540 00
Charles T. Garland, sprinkling	209 03
J. F. Hause & Co., sprinkling	127 68
Howard Lowell & Son, sprinkling	540 00
Jameson Brothers, sprinkling	69 68
William T. Kilmartin, sprinkling	390 00
J. A. Marsh Coal Co., sprinkling	583 49
Joseph J. Manning, sprinkling	197 42
James F. McAllister, sprinkling	493 55
Edward Nolan, sprinkling	396 00
A. M. Prescott, sprinkling	602 00
Mark W. Patten, sprinkling	90 00
Timothy F. Reardon, sprinkling	540 00
A. P. Rockwood, sprinkling	432 00
David M. Smith, sprinkling	152 00
George Stevenson, sprinkling	523 42
R. M. Sturtevant, sprinkling	582 00
Suburban Coal Co., sprinkling	602 00
Daniel M. Smith, sprinkling	450 00
Mary J. Shean, sprinkling	450 00
Mary Shea, sprinkling	90 00
M. E. Tighe, sprinkling	102 00
Amount carried forward	<u>\$16,830 91</u>

Amount brought forward	\$16,830 91	
John Wilson, sprinkling	519 61	
American Express Co., expressing	2 08	
F. C. Ayer, lumber	16 35	
Bertha M. Boyd, clerical work	72 72	
Braman, Dow & Co., pipe, etc.	13 42	
Boston & Maine Railroad, freight	46 00	
Barrett Mfg. Co., tarvia	294 00	
Boston Varnish Co., varnish	86 05	
Lula E. Chapman, clerical work	10 67	
Chandler & Farquhar Co., cotton waste,	10 00	
T. A. Cunningham, brushes	3 30	
Dodge, Haley & Co., iron	82 98	
Davenport-Brown Co., lumber	2 44	
Dustoline Co., dustoline	424 32	
Edson Mfg. Co., pump couplings	27 09	
F. C. Fuller & Co., lead	16 00	
Edna L. Goodwin, clerical work	33 34	
Thomas Groom & Co., assessment book	18 00	
Indian Refining Co., road oil	307 42	
A. C. Libby & Sons, time books	75	
Morgan & Bond, sponges	11 25	
City of Medford, street sprinkling	66 43	
Joseph Palmer, repairing springs	8 50	
Robertson & Nixon, insurance	72 00	
Standard Oil Co. of New York, road oil,	4,320 30	
Alden Spear's Sons Co., tasscoil	5,204 81	
Studebaker Brothers Co. of New York, sprinkling cart	310 00	
Underhill Hardware Co., japan, etc.	13 20	
I. B. Walker, repairing	1 00	
A. M. Wood Co., oak lumber	1 91	
	<hr/>	
	\$28,826 85	
Highways Maintenance account, use of city teams	2,350 74	
Water Works Extension account, water post	30 45	
Water Maintenance account, maintaining water posts	260 93	
Police Department, police service	167 50	
	<hr/>	
		<u>\$31,636 47</u>

Street Lighting.

CREDIT.

Appropriations, from Taxes, 1911	\$51,000 00
Excess and Deficiency account, balance transferred	3,508 64
	<hr/>
	\$54,508 64

DEBIT.

(Expenditures.)

Cash, paid Edison Electric Illuminating Co., street lighting	\$54,484 64
shifting lamps	24 00
	<hr/>
	<u>\$54,508 64</u>

Public Buildings Department, Maintenance Highway Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$600 00
Excess and Deficiency account, balance transferred	14

 \$599 86

Receipts:—

Cash, received of Thomas Ormond, rent	\$120 00
Arthur Murley, rent	120 00

 240 00

 \$839 86

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$13 64
Crosby Steam Gage & Valve Co., gage,	5 50
C. W. Cahalan, plumbing	20 04
R. W. Doe, piping	121 94
Edison Electric Illuminating Co., light- ing	122 30
Gilman Express Co., expressing	15
Glines & Co., expressing	1 20
S. D. Hicks & Son, new gutters and re- pairing conductors	175 00
S. P. Larsen & Son, roofing	80 06
T. E. Littlefield, lumber	2 88
Charles F. Mills, carpentering	68 40
B. L. Makepeace, blue prints	69
Priest, Page & Co., proportional part platform	50 00
Pittsburg Plate Glass Co., glass	4 40
George L. Robinson, glazing	9 76
S. J. Sands, stove pipe	2 15
E. S. Sparrow & Co., hardware	7 15
W. A. Snow Iron Works, hitch rings	6 00
Somerville Coal Co., fuel	23 20
Wellington-Wild Coal Co., coal	125 40

 \$839 86
Lowell Street Bridges.

CREDIT.

Balance from 1910	\$10,907 18
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Reduced by the following transfers:—

Electrical Department, Underground Con- struction account	\$4,000 00
Ward One Branch Library account	1,000 00
Union Square Branch Library account	1,000 00
Industrial School for Girls account	1,400 00

 7,400 00

 \$3,507 18

Highway Betterment Assessments account, assessments abated	800 00
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 Amount carried forward \$2,707 18

Amount brought forward	\$2,707 18
Balance to credit of account, 1912	2,407 18
	<hr/>
	\$300 00

DEBIT.

(Expenditures.)

Cash, paid Mary E. Bowen, compensation for damages	\$150 00
James Doherty, compensation for damages	150 00
	<hr/>
	\$300 00

CHARITIES.

Support of Poor, Miscellaneous.

CREDIT.

Appropriations, from Taxes, 1911	\$12,500 00
Excess and Deficiency account, balance transferred	139 25
	<hr/>
	\$12,639 25

Stock and labor billed other departments:—

Soldiers' Relief account, medicine	30 55
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Receipts:—

Commonwealth of Massachusetts, support of state paupers	1,030 62
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Cash, received for support of paupers:—

City of Boston	\$562 05
City of Cambridge	809 05
City of Everett	39 36
City of Fall River	14 29
City of Malden	41 43
City of Marlboro	7 30
City of Medford	173 42
City of Newton	142 53
City of New Bedford	10 66
City of Northampton	40 79
City of Quincy	92 13
City of Springfield	37 30
City of Taunton	47 57
City of Waltham	70 00
City of Woburn	52 82
City of Worcester	7 14
Town of Andover	7 14
Town of Arlington	6 00
Town of Brookline	2 50
Town of Burlington	78 20
Town of Hanover	34 00
Town of Leominster	30 73
Town of Lynnfield	45 71
Town of Rutland	42 86
Town of Saugus	40 35
Town of Weston	57 49
Town of Whitman	30 00
Town of Walpole	62 86
Town of Watertown	41 46

2,627 14

\$16,327 56

DEBIT.

(Expenditures.)

Cash, paid Charles C. Folsom, salary as agent	\$1,600 00
disbursements	168 91
C. Clark Towle, M. D., city physician	1,500 00
Cora F. Lewis, secretary	583 34
Mabel F. Kenneson, clerical services	444 50
H. G. Applin, groceries	22 00
Town of Arlington, aid	32 00
Mrs. E. M. Bangs, board	104 30
James Bartley, groceries	555 00
City of Boston, aid	1,638 64
Charles S. Butters, groceries	104 00
Mrs. Clarence Blaisdell, board	25 00
J. H. Brooks, dry goods	2 00
Edw. Coliten & Son, groceries	132 00
Commonwealth of Massachusetts, board, City of Cambridge, aid	571 96
C. Carbone, groceries	331 82
F. E. Cheney Co., groceries	25 50
Mercy J. Chase, allowance	37 00
Charles W. Dailey, use of ambulance	12 00
James Davis, groceries	11 00
Mary Drury, board	129 75
P. Diozzi, groceries	120 00
Harry A. Dunham, board	80 00
George L. Doherty, burial	26 00
Edgar E. Donnell, board	15 00
Edward Edwards, medicine	8 86
W. J. Emerson, boots and shoes	90 78
Fresh Pond Ice Co., ice	3 00
W. A. Flaherty & Son, burials	1 90
F. W. Gilbert, boots and shoes	5 00
Charles F. Giles, groceries	23 75
Benjamin W. Goldsmith, board	461 00
W. T. Gill, burial	86 87
C. H. Goldthwaite & Co., supplies	15 00
Thomas Groom & Co., stationery	6 57
W. A. Greenough & Co., directory	16 42
F. H. Grow, groceries	4 00
Glines & Co., expressing	214 50
H. T. George, groceries	65
J. Frank Gear, sundries	120 00
G. F. Harvey Co., medicine	3 25
Eleanor Jenkins, board	36 53
F. A. E. Jewell, groceries	15 00
H. L. Kyes, groceries	111 00
Mrs. H. L. Kyes, groceries	63 00
C. R. King, groceries	79 00
M. D. Lewis, groceries	171 00
M. D. Lovering, groceries	98 00
City of Lynn, aid	216 45
Howard Lowell & Son, carriage hire	1 29
City of Lowell, aid	11 50
Library Bureau, printing	13 80
J. D. McLennan, groceries	6 83
	203 00
Amount carried forward	\$10,359 67

Amount brought forward	\$10,359 67
James H. Maguire Co., groceries . . .	306 50
A. J. McDonald, groceries	22 00
Murphy & Turnbull, burials	15 00
Mary Murray, board	78 20
Monroe Pharmacal Co., medicine . . .	106 43
Miss H. McLeod, aid	3 60
John S. McGowan, burial	20 00
Massachusetts Hospital School, board .	326 28
G. F. McKenna & Son, burial	8 00
City of Medford, aid	34 42
Alfred E. Mann, burial	5 00
New England Telephone & Telegraph Co., service	110 98
City of Newton, aid	131 35
North Packing & Provision Co., groceries	206 00
Edith M. Nutt, board	104 30
Town of Pepperell, aid	148 20
Frederic H. Perry, printing	16 75
Estate of S. F. Phipps, medicine . . .	1 70
Town of Rockland, aid	18 00
Andrew F. Ryan, groceries	156 00
Town of Revere, aid	59 25
A. P. Rockwood, carriage hire	5 00
P. H. Rafferty, burials	45 00
Town of Reading, aid	43 38
Mrs. Charles H. Sands, groceries . . .	300 00
Hattie G. Sellon, board	52 17
R. M. Sturtevant, groceries	575 00
Somerville Visiting Nursing Association, nursing	57 25
Somerville Hospital, aid	1,830 72
Town of Stoneham, aid	20 60
Somerville Journal Co., printing . . .	17 90
Smith-Premier Typewriter Co., repairs .	1 75
City of Salem, aid	16 15
City of Springfield, aid	9 10
Town of West Springfield, aid	57 00
Wellington-Wild Coal Co., fuel	573 48
Emiline Willis, board	4 43
Francis Wilson, burial	15 00
George Wood, groceries	98 00
City of Worcester, aid	100 00
Benjamin E. White, groceries	210 00
D. E. Watson, groceries	16 00
York County Children's Aid Society, aid,	42 00
	<hr/>
	\$16,327 56

Support of Poor, City Home.

CREDIT.

Appropriations, from Taxes, 1911	\$3,000 00
Excess and Deficiency account, balance transferred . . .	209 59
	<hr/>
	\$2,790 41
Stock and labor billed other departments:—	
Contagious Disease Hospital account, produce	312 78
	<hr/>
Amount carried forward	\$3,103 19

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 111

Amount brought forward		\$3,103 19
Receipts:—		
Cash, received of J. Foster Colquhoun, produce	\$3,431 38	
City of Everett, board	283 00	
City of Marlboro, board	25 52	
Town of Arlington, board	933 50	
City of Boston Institutions, Registration Department, board	7 86	
Ellen C. Eagan, board	38 50	
Ellen Moran, board	10 50	
Waldo Brothers, bags	8 58	
		4,738 84
		<u>\$7,842 03</u>

DEBIT.

(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as warden	\$700 00
disbursements	242 35
Mrs. Catherine Colquhoun, matron	500 00
Sundry persons, farm help	944 67
Sundry persons, house help	767 27
E. O. Arnold & Co., labor	1 80
Ames Implement & Seed Co., seeds	5 50
Bowers & Dewick, clothing	6 15
Boston Plate & Window Glass Co., glass	10 23
Joseph Breck & Sons Corporation, seeds	41 45
D. J. Bennett, repairs	11 45
Andrew Blythe, provisions	17 59
Cambridge Ice Co., ice	35 43
E. A. Carlisle & Pope Co., hot bed sash,	2 50
Chase & Sanborn, tea and coffee	95 02
Clark Brothers Co., potatoes	40 35
Chapin Brothers, potatoes	50 75
Henry N. Clarke Co., hardware	8 49
George W. Clatur Co., fish	28 50
W. F. Cobb & Co., seeds	4 20
Jackson Caldwell & Co., chair	3 00
J. H. Derby & Co., clock repairs	3 95
Brown-Durrell Co., dry goods	26 62
Farley, Harvey & Co., sheets and slips	69 20
L. C. Fisher & Co., oranges	2 75
Fottler, Fiske, Rawson & Co., seeds	14 65
George G. Fox Co., bread	243 38
General Baking Co., bread	90 43
C. W. Goldthwaite, vinegar	16 20
Thomas Groom & Co., stationery	5 10
Gilman Express Co., expressing	2 60
Thomas J. Grey Co., seeds	8 01
Walter Gordon & Co., poultry	15 00
C. D. Gallagher, potatoes	4 25
G. F. Gurney Co., brushes	13 62
Percy A. Hall, medicine	76 27
A. H. Hews & Co., flower pots	26 75
Amount carried forward	<u>\$4,140 48</u>

Amount brought forward	\$4,140 48
F. J. Hopkins, groceries	121 63
I. N. Holman, repairs	7 50
Highland Coal Co., lime	5 00
Hopkinson & Holden, pansies	6 00
Hinds & Coon, hose	28 00
William H. Hitchings, veterinary services	8 00
Hovey & Co., seeds	6 16
George F. Johnson Co., paper	1 00
Jones, McDuffee & Stratton, crockery	4 33
Jordan Marsh Co., kitchen ware	87 65
Alfred E. Knight, dentistry	1 50
Amos Keyes & Co., butter and eggs	72 05
George W. Ladd, shoeing	32 50
C. W. Lerner & Co., disinfectant	2 55
T. E. Littlefield, lumber	41 90
Lord & Webster Co., hay	214 03
McGreenery & Manning, tobacco	48 15
J. S. Newcomb & Co., groceries	686 90
New England Mfg. Co., butterine	115 22
New England Telephone & Telegraph Co., service	56 10
Nay & Taylor, ice cream, etc.	6 10
National Biscuit Co., crackers	51 07
Fulton O'Brien, grain	318 21
Park & Pollard Co., dry mash	2 25
W. E. Plumer & Co., hardware	27 35
Proctor Brothers Grain Co., hay and grain	76 89
Parke Snow, dry goods	60 79
Page & Baker Co., furniture	29 50
Phelps Brothers, hay	84 74
Percy & Fleming, printing	8 00
Reuben Ring & Co., medicine	10 25
J. W. Roberts & Co., groceries	317 14
Russell Shoe Co., shoes	3 60
Richardson & Brackett, oil	54
Simpson Brothers Co., groceries	48 76
John P. Squire & Co., shavings	13 75
C. L. Stevens, groceries	187 10
E. S. Sparrow & Co., hardware	25
E. D. Sawyer Lumber Co., lumber	54 20
Arthur Sternberg, clothing	5 00
Somerville Journal Co., printing	4 25
Charles R. Simpson, veterinary services, Standard Chemical Co., soap	17 29
H. O. Sheldon, cow	60 00
W. C. Stickle, papers	5 60
George H. Thayer, boots and shoes	52 50
A. S. Tyler, milk	75 20
Leonard A. Treat, fish	3 90
F. H. Thomas Co., beds, etc.	55 60
E. A. Tilton, horse hire	12 00
Nathan Tufts & Sons, oats, etc.	57 00
William J. Thompson & Co., hay	37 36
Underhill Hardware Co., putty	2 25
William J. Wiley, hardware	35 28

Amount carried forward \$7,412 87

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 113

Amount brought forward	\$7,412 87	
F. A. Weldon, groceries	13 41	
Waldo Brothers, cement	8 56	
Whitcomb Metallic Bed Spring Co., beds, etc.	37 70	
Whittier Wooden Ware Co., hardware	6 33	
West Disinfecting Co., disinfectant	7 50	
	<hr/>	
	\$7,486 37	
Water Maintenance account, stock and labor	10 76	
Refuse and Garbage Disposal account, gar- bage	344 90	
	<hr/>	
		<u>\$7,842 03</u>

Public Buildings Department, Maintenance City Home Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$1,800 00
Excess and Deficiency account, balance transferred	103 21
	<hr/>
	\$1,696 79

DEBIT.

(Expenditures.)

Cash, paid Cambridge Gas Light Co., gas	\$9 01	
Davenport-Brown Co., wood	1 15	
Edison Electric Illuminating Co., light- ing	156 70	
Eugene Girroir, labor	2 00	
J. J. Hurley & Co., repairing heating apparatus	2 10	
James Kenney, labor	6 56	
Charles F. Mills, carpentering	3 80	
A. W. Phillips, mason work	2 50	
George L. Robinson, painting	7 68	
Standard Charcoal Co., charcoal	19 20	
J. C. H. Snow, building fence, etc.	769 35	
William J. Wiley, plumbing	80 11	
Wellington-Wild Coal Co., coal	630 74	
H. G. White Co., electrical work	5 89	
	<hr/>	
		<u>\$1,696 79</u>

City Home Addition.

CREDIT.

Building Public Buildings account, amount transferred	\$8,000 00
Balance to credit of account, 1912	7,983 43
	<hr/>
	\$16 57

DEBIT.

(Expenditures.)

Cash, paid B. L. Makepeace, blue prints	\$6 52	
Somerville Reporter, advertising	1 62	
Somerville Journal Co., advertising	3 50	
Somerville Enterprise, advertising	4 93	
	<hr/>	
		<u>\$16 57</u>

Somerville Hospital.

CREDIT.

Appropriations, from Taxes, 1911	\$5,000 00
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DEBIT.

(Expenditures.)

Cash, paid for support of sick poor	\$5,000 00
	<u> </u>

SOLDIERS' BENEFITS.**Soldiers' Relief.**

CREDIT.

Appropriations, from Taxes, 1911	\$23,000 00
Interest account, amount transferred	965 19

	<u>\$23,965 19</u>
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Receipts:—

Cash, received of sundry persons, money refunded	175 00
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	<u>\$24,140 19</u>
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DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls,	\$24,109 64
Support of Poor, Miscellaneous account,	
medicine	30 55

	<u>\$24,140 19</u>
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Military Aid.

CREDIT.

Appropriations, from Taxes, 1911	\$400 00
Excess and Deficiency account, balance transferred	14 00

	<u>\$414 00</u>
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Commonwealth of Massachusetts, amount charged	414 00
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	<u>\$828 00</u>
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DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$828 00
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State Aid.

CREDIT.

Commonwealth of Massachusetts, state aid paid in 1911	\$16,218 00
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Receipts:—

Cash, received of sundry persons, money refunded	28 00
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	<u>\$16,246 00</u>
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DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$16,246 00
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Soldiers' Burials.

CREDIT.

Commonwealth of Massachusetts, amount charged December 31, 1911	\$481 00
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DEBIT.

(Expenditures.)

Cash, paid J. H. Dusseault, services as burial agent	\$26 00
John Bryant's Sons, burials	70 00
W. A. Flaherty & Son, burial	35 00
J. E. Henderson & Co., burial	35 00
John E. Kauler, burial	35 00
G. F. McKenna & Son, burial	35 00
Alfred E. Mann, burial	35 00
Arthur A. Marshall, burial	35 00
Murphy & Turnbull, burials	70 00
Francis M. Wilson, burials	70 00
Joseph F. Waterman & Son, burial	35 00
	<hr/>
	<u>\$481 00</u>

EDUCATION.**School Contingent.**

CREDIT.

Appropriations, from Taxes, 1911	\$31,000 00
Excess and Deficiency account, balance transferred	7 12
	<hr/>
	\$30,992 88

Receipts:—

Commonwealth of Massachusetts, tuition of state wards	306 50
trade school	223 05
Cash, received of Charles S. Clark, superintendent of schools, damage to property, etc.	\$409 60
Sundry persons, tuition	162 25
	<hr/>
	571 85
	<hr/>
	\$32,094 28

DEBIT.

(Expenditures.)

Cash, paid Charles S. Clark, salary as superintendent of schools	\$3,166 67
disbursements	280 62
Justin W. Lovett, assistant to superintendent	1,300 00
Mary A. Clark, assistant	747 60
Mildred A. Merrill, assistant	600 00
Benjamin R. Jones, truant officer	1,261 53
disbursements	19 15
Jairus Mann, truant officer	50 00
American Book Co., books	1,587 40
Adams, Cushing & Foster, supplies	1,356 25
Austin & Doten, supplies	1 47
John A. Avery, disbursements	24 22
	<hr/>
Amount carried forward	\$10,394 91

Amount brought forward	\$10,394 91
American Express Co., expressing	3 29
Allyn & Bacon, books	234 00
Allen, Doane & Co., supplies	5 00
Andrews-Burr Paper Co., supplies	4 65
D. Appleton & Co., books	16 95
Acetylene Gas Illuminating Co., sup- plies	2 00
Edward E. Babb & Co., books	4,435 16
Barbour-Stockwell Co., supplies	1 47
Milton Bradley Co., supplies	404 15
Braman, Dow & Co., supplies	6 11
Bumpus & Cook, supplies	57 55
Baker School Specialty Co., repairing	3 75
George I. Bowden, travel	10 89
Caroline G. Baker, disbursements	2 00
Elizabeth J. Baker, disbursements	2 00
City of Boston, tuition	747 84
C. C. Birchard & Co., books	53 09
Brown-Durrell Co., supplies	44 59
The Banks Press, printing	2 50
F. J. Barnard & Co., re-binding	863 03
Bausch & Lomb Optical Co., supplies	8 32
Mary H. Brown, disbursements	9 53
J. A. Bremner & Co., supplies	6 30
C. C. Bowles & Co., sewing machine	23 00
Chandler Shorthand Publishing Co., books	129 74
Charities Publication Co., books	3 75
Carter's Ink Co., supplies	45 14
Chandler & Farquhar Co., supplies	625 62
The Century Co., books	1 31
Conant Brothers Co., supplies	4 50
Cotter & Son, expressing	23 75
Chickering & Son, rent of piano	9 00
James H. Chase, services	15 00
Custer's Orchestra, music	25 00
C. M. Clark Publishing Co., books	10 70
Central Scientific Co., supplies	5 00
Clapp & Tilton, supplies	18 98
E. T. Curtis Co., supplies	124 79
George I. Canfield, census	58 72
E. M. Drury, supplies	20 25
A. L. Doe, travel	1 08
Dodge, Haley & Co., supplies	136 03
E. S. Daniels, repairing	7 00
Mary E. Davis, services	2 50
Davenport-Brown Co., supplies	6 50
Derby Desk Co., supplies	90
Dennison Mfg. Co., supplies	16 01
Andrew Dutton, supplies	2 25
Eimer & Amend, supplies	315 11
Clara Z. Elliot, taking census	39 30
Etta D. Ellsworth, disbursements	2 00
Educational Publishing Co., books	170 24
Electro Importing Co., supplies	38 82
J. S. Emerson, disbursements	20 27
J. H. Folkins Co., ink	26 40

Amount carried forward \$19,247 74

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 117

Amount brought forward	\$19,247 74
Benjamin F. Freeman, supplies	13 00
Edwin Fitzgeorge, books	1 00
F. C. Fuller & Co., supplies	1 10
Frost & Adams Co., supplies	295 19
Farley, Harvey & Co., supplies	17 11
M. Abbott Fraser Co., supplies	1 25
Ginn & Co., books	2,481 11
Gilman Square Fish Market, supplies	2 23
Gale-Sawyer Co., printing	19 30
Gilman Express Co., expressing	1 55
Glines & Co., expressing	96 44
W. A. Greenough & Co., directories	8 00
General Chemical Co., supplies	75 13
Annie M. Gilcrease, taking census	125 61
Charles F. Giles, supplies	25 70
Hopkinson & Holden, supplies	58 89
Mary A. Holt, disbursements	2 15
Hill, Clarke & Co., supplies	20 25
E. F. Hicks, catering	100 00
Hill-Michie Co., automobile hire	13 00
Health Education League, books	1 75
J. L. Hammett Co., supplies	326 40
William S. Howe, supplies	8 35
J. B. Hunter Co., supplies	698 86
Edw. A. Hart, repairing	9 93
A. L. Haskell, printing	46 25
Harvard University, books	7 00
D. C. Heath & Co., books	352 72
Houghton Mifflin Co., books	47 92
Norman W. Henly Publishing Co., books	2 25
J. W. Howard, supplies	20 55
Ernest R. Hager, disbursements	4 30
Harry F. Hathaway, travel	1 91
S. Henry Hadley, music	76 52
C. F. Hovey & Co., supplies	9 30
Industrial Education Book Co., books	5 00
International Time Recording Co., sup- plies	5 05
Jordan Marsh Co., supplies	169 23
Jaynes Drug Co., supplies	11 03
S. A. Johnson, travel	18 36
L. E. Knott Apparatus Co., supplies	152 10
John Lane Co., books	10 00
Little, Brown & Co., books	28 89
E. L. Lovering, repairing	26 00
Ledder & Probst, supplies	89 23
D. J. Moynahan, carriage hire	36 00
Charles E. Merrill Co., books	98 76
Marden, Orth & Hastings, supplies	7 15
Mitchell Mfg. Co., supplies	28 80
Wesley A. Maynard, printing	291 85
Middlesex County Truant School, board of truants	548 72
"Machinery," books	13 80
E. M. Morse, disbursements	2 10
Amount carried forward	<hr/> \$25,761 83

Amount brought forward	\$25,761 83
F. W. Martin Co., engrossing and printing	226 35
First Methodist Church, use of edifice	75 00
City of Medford, tuition	30 00
Boston Mailing Co., addressing	4 08
McKinley Publishing Co., maps	14 20
Marine Biological Laboratory, supplies	13 60
Frank K. Moore, supplies	46 40
North Packing & Provision Co., supplies	21 75
New England Telephone & Telegraph Co., service	239 49
Neostyle Co., supplies	181 60
New England Dressed Meat & Wool Co., supplies	1 25
William H. Perry Co., supplies	4 00
Oliver Typewriter Co., machines	600 55
Isaac Pitman & Sons, books	36 20
Parker & Page, supplies	1 35
Palmer & Parker Co., supplies	1 04
Charles P. Potter, services	3 00
W. E. Plumer & Co., supplies	150 65
Perkins Woodworking Co., supplies	146 83
Rand & Byam, supplies	2 15
Rand, McNally & Co., maps	14 40
Remington Typewriter Co., repairing	2 70
A. P. Rockwood, carriage hire	2 00
Silver, Burdett & Co., books	261 25
Smith-Premier Typewriter Co., supplies,	221 60
Somerville Journal Co., printing	1,143 63
Benjamin H. Sanborn & Co., books	30 81
Schoenhof Book Co., books	268 41
Charles Scribner's Sons, books	10 70
Stuart-Howland Co., supplies	92 30
P. Sutherland & Co., supplies	12 50
William D. Sprague, disbursements	5 00
Laurence A. Sprague, electric motor	30 00
Suffolk Ink Co., supplies	8 64
Shattuck & Jones, supplies	3 15
School Board Journal, books	1 00
S. M. Spencer Mfg. Co., supplies	1 48
O. W. Short, services	10 00
Arthur Steele, maps	6 50
Stone & Forsyth, supplies	11 93
Francis Supple, supplies	14 50
Smith & McCance, books	50
Somerville Automobile Co., chassis	75 00
Mary C. Thurston, disbursements	10 00
Thorpe & Martin Co., supplies	7 35
J. H. Thompson, carriage hire	5 00
Thorpe's Express, expressing	1 20
The Thread Agency, supplies	6 73
Richard H. Tincker, taking census	41 48
Underwood Typewriter Co., machines and supplies	114 50
Martin E. Vorce, books	13 50
Whitney & Snow, supplies	94 16
Amount carried forward	<hr/> \$30,083 24

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 119

Amount brought forward	\$30,083 24
Wadsworth, Howland & Co., supplies	454 64
Wellington-Wild Coal Co., supplies	2 73
F. S. Webster Co., supplies	5 77
A. J. Wilkinson & Co., supplies	24 57
John M. Woods & Co., supplies	1,348 27
Winter Hill Press, printing	21 49
M. J. Wendell, disbursements	8 80
G. R. Willis & Co., printing	25 50
Elizabeth M. Webster, taking census	53 74
Wright & Ditson, supplies	3 15
Yawman & Erbe Mfg. Co., supplies	55 33

\$32,087 23

Central Library account, books lost 7 05

\$32,094 28

School Teachers' Salaries.

CREDIT.

Appropriations, from Taxes, 1911	\$295,000 00
Excess and Deficiency account, balance transferred	1,732 70

\$293,267 30

DEBIT.

(Expenditures.)

Cash, paid school teachers' salaries	\$293,267 30
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Public Buildings Department, Maintenance School Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$62,000 00
Excess and Deficiency account, balance transferred	2,930 71

\$64,930 71

Receipts:—

Cash, received of Walter T. Littlefield,	
telephone tolls	\$82 30
old iron	26 31
Sundry persons, use of ward rooms	52 25
Sundry persons, damage to property	15 14
G. W. Manning, money refunded	5 00
Fay Bros. Co., old boiler	10 00
Joseph Green, telephone	1 10
Arthur L. Doe, teaming	1 50
Barnet Kreisman, old iron	1 00
Harlan P. Knight, flag	3 25

\$197 85

\$65,128 56

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$25,895 12
American Express Co., expressing	4 05
Armstrong Bros., plumbing	412 02
John H. Adcock, plumbing	118 53
Thomas Allen, tar concrete	581 50

Amount carried forward \$27,017 22

Amount brought forward	\$27,011 22
American Metal Polish Co., polish	10 80
F. C. Ayer, lumber	214 28
J. M. Andrews & Son, carpentering	4 41
American School Board Journal, sub- scription	1 00
Ashton Valve Co., bubblers	4 05
William Allen Sons Co., mouthpiece for boiler	8 00
American Steam Packing Co., packing	6 98
H. W. Bursaw, oil	29 72
J. F. Brown, repairing clocks	6 50
Charles E. Berry, repairing	1 92
Edward H. Barter, clocks	18 00
Boston Varnish Co., paint	24 00
Baker School Specialty Co., supplies	166 07
Boston Feather Duster Co., dusters	165 60
Blodgett Clock Co., repairing	74 72
Bay State Belting Co., raw-hide lace	2 45
A. & E. Burton Co., floor brushes.	38 00
Michael J. Bowdren, gardening	139 88
J. A. Bremner & Co., painting	240 00
George F. Blake Mfg. Co., springs	85
Benjamin's Express, expressing	95
Arthur W. Berry, carpentering	20 45
Boulevard Auto Co., car hire	20 00
H. L. Burnell, repairing lock	60
Boston Belting Co., diaphragm	55
Henry C. Bradford, evening janitor ser- vice	1 00
Carlisle-Ayer Co., cellar sash	85
L. E. Clayton, cheese cloth	7 83
T. A. Cunningham, brushes	9 50
Bernard S. Coddington, repairing clocks	24 20
C. W. Cahalan, plumbing	666 85
Cambridge Gas Light Co., gas	840 99
Charlestown Gas & Electric Co., gas	179 57
Cotter's Express, expressing	8 35
Jackson Caldwell & Co., furniture	206 85
Charles S. Clark, disbursements	96
John W. Cremen, repairing furniture and weighing coal	61 00
Commercial Chemical Co., dressing	2 85
M. P. Canfield, labor on lawns	37 00
Cudahy Packing Co., soap polish	7 50
Continental Grate Co., repairing grates	24 72
George W. Coombs, janitor evening school	4 75
Davenport-Brown Co., woodwork	64 97
J. H. Derby Co., repairing clock	8 50
James Duncan, repairing chairs	78 50
Derby Desk Co., oak rolls	9 70
S. H. Davis Co., door checks	59 84
R. W. Doe, repairing furnaces	51 69
Thomas C. Dame, janitor evening school	1 00
Edison Electric Illuminating Co., light- ing	3,789 56
J. H. Edwards, repairing	8 20
Amount carried forward	<hr/> \$34,367 73

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 121

Amount brought forward	\$34,367 73
Electric Economy Co., electrical work	52 12
F. C. Fuller & Co., hardware	70 37
James H. Fannon, loam and concrete	160 36
Fred W. Farrar, repairing clocks	37 50
Walter W. Field & Son, machinery	239 03
F. W. Foster & Sons, grate bars	7 80
Federal Metallic Packing Co., packing	3 35
Frank E. Fitts Mfg. and Supply Co., ash cans	11 25
Eugene Girroir, labor	326 80
Glines & Co., expressing	49 01
General Electric Co., motor, etc.	196 50
Gas Consumers' Association, rental	12 00
J. E. Grundy & Co., repairing pump	8 50
Gilman Express Co., expressing	1 95
Gray & Turner, insurance	1,208 43
Gurney Heater Mfg. Co., piping	67
Granulator Soap Co., soapitors	15 00
A. C. Gordon, painting	1 75
Walter J. Godfrey, painting	148 71
Edgar O. Hunt, plumbing	14 07
J. B. Hunter & Co., hardware	64 49
Hinckley Rendering Co., soap powder	36 22
J. J. Hurley & Co., repairing heating ap- paratus	339 06
S. D. Hicks & Son, roofing	816 75
Hercules Iron & Supply Co., plumbing supplies	3 20
William S. Howe, galvanized pails	9 95
William J. Hanson, plumbing	13 17
Hosmer & Wedgwood, insurance	7 50
Charles H. M. Hunnewell, plumbing	22 30
Hodge Boiler Works, plates	626 99
William Hall & Co., repairing	75
Charles P. Horton, janitor evening school	2 00
Frank O. Johnson, plumbing	368 51
Johnson Service Co., repairing tempera- ture registers	14 01
Jenkins Bros., valve	1 35
Frank J. Jameson, sponges	26 19
Iver Johnson Sporting Goods Co., bi- cycle holder	2 40
H. James & Son, soft soap	2 00
James Kenney, carpentering	213 20
Kenney Bros. & Wolkins, furniture	424 13
Knowles Steam Pump Works, machinery	15 19
Catherine Kearney, sawdust	20 80
Clara M. Kenney, cleaning	213 37
Knott & Co., electrical work	515 66
E. & F. King & Co., soda ash	28 73
J. A. Kiley, repairing	7 25
E. S. Kearney Co., sawdust	17 50
John H. Kelley, reimbursement	20 00
Howard Lowell & Son, board of horse and clipping	319 60
C. A. Legallee, plumbing	1 95
Amount carried forward	<hr/> \$41,087 12

Amount brought forward	\$41,087 12
S. P. Larsen, roofing	171 95
John Lingard, painting	563 28
Leavis & Doherty, plumbing	273 67
Walter T. Littlefield, reimbursement and mileage of automobile	217 00
T. E. Littlefield, sheathing	6 49
George W. Ladd, jobbing	65
Arthur D. Little, preparing coal speci- fications	60 60
J. E. Locatelli & Co., tearing down shed, etc.	545 95
P. S. Lynch, repairing ventilator	4 70
William Leavens & Co., furniture	76 20
John Lane, evening school janitor	1 00
E. C. Lundgren, evening school janitor	2 00
George McDormand, shoeing	8 75
A. M. Morton & Co., piping	3 73
George W. Manning, work on flag staffs	82 00
George F. McKenna & Son, teaming	347 75
B. L. Makepeace, blue prints	17 16
J. E. L. McLean, carpentering	549 40
Charles F. Mills, carpentering	419 90
F. W. Merrill, electrical work	42 30
C. W. H. Moulton Co., brooms and sup- plies	93 00
McKenney & Waterbury Co., electrical supplies	15 87
Martin & Wood, keys	39 15
William J. McCarthy, labor and stone	320 00
William Meskill, repairing furniture	24 50
Daniel McIntire, gardening	53 10
Massachusetts Metal Polish Co., polish	4 20
Martin Bros., carpentering	98 62
H. F. Maynard, bags	2 38
Arthur T. McGilvray, electrical work	8 20
Norton Door Check Co., repairing door- check	1 30
New England Telephone & Telegraph Co., service	565 57
Nashua Machine Co., valves	2 56
N. D. B. Co., electrical work	11 60
James W. O'Neil, plumbing	9 11
Patrick J. O'Neil, gardening	9 75
John O'Brien, inspecting weighing of coal	22 00
John F. O'Brien, evening school janitor	3 00
Pittsburg Plate Glass Co., glass	161 03
A. W. Phillips, brick work	348 88
W. E. Plumer & Co., hardware	86 49
Perkins Woodworking Co., woodwork	208 43
Priest, Page & Co., proportional part of platform	50 00
Perham's Express, expressing	1 20
Othniel M. Pote, evening school janitor, Roberts Iron Works Co., repairing plates	3 00
George L. Robinson, glazing	134 06
F. M. Rogers & Co., whitening	526 17
	182 00
Amount carried forward	\$47,466 77

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 123

Amount brought forward	\$47,466 77
A. G. Renner, expressing	2 35
Albert Rich, janitor's service	59 00
James W. Rich, janitor's service	8 00
E. S. Sparrow & Co., hardware	122 72
Shepard, Clark Co., brushes	125 50
P. Sutherland & Co., metal polish	89 92
Standard Charcoal Co., charcoal	24 00
W. A. Snow Iron Works, supplies	47 40
Daniel L. Shepard, mason work	504 81
John Shea, labor	34 00
Sullivan's Somerville & Boston Express Co., expressing	25
S. M. Spencer Mfg. Co., brass tags, etc.,	3 79
James Simpson, Jr., teaming	5 00
John J. Shea, evening school janitor	1 00
W. A. Thompson & Co., gas tubing	54 64
Harry Tobin, horseshoeing	6 25
R. P. Tiltman, janitor's service	50 00
Turner Asbestos Co., pipe covering	31 00
Charles L. Underhill, repairing	6 75
Underhill Hardware Co., hardware	137 41
William J. Wiley, ash barrels	34 48
H. G. White Co., electrical work	325 90
Asahel Wheeler Co., paints	52 16
Henry A. Wheeler Co., ensigns	134 48
H. W. Waite & Co., disinfectant	243 48
Wellington-Wild Coal Co., coal	14,831 35
Arthur W. Walker, repairing clocks	9 75
Whitney & Snow, hardware	175 31
Mrs. M. J. Whitney, mending flags	14 00
Walker & Pratt Mfg. Co., chain clips	40
West Disinfecting Co., disinfectant	15 00
Westinghouse Electric & Mfg. Co., machinery	138 31
Waldo Brothers, clay and brick	37 60
Walsh Brothers, spraying trees	95 00
Frederick B. Witherly, grates	10 83
Charles A. G. Winther, washers, etc.	5 04
A. Worthylake & Co., papering	175 00
Yeaman's Express Co., expressing	35

\$65,079 50

Water Maintenance account, stock and labor	49 06
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\$65,128 56

Public Buildings Construction, Bennett School Addition.

CREDIT.

Balance from 1910	\$990 00
Building Public Buildings account, amount transferred	1,000 00
	<u>\$1,990 00</u>
Balance to credit of account, 1912	1,190 00
	<u>\$800 00</u>

DEBIT.

(Expenditures.)

Cash, paid William Williams and Joseph A. Tower, settle- ment of claims for damages taking estate	<u>\$800 00</u>
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Public Buildings Construction, Burns School Addition.

CREDIT.

Balance from 1910	\$778 00
Balance to credit of account, 1912	<u>778 00</u>

Public Buildings Construction, Martin W. Carr School Land Addition.

CREDIT.

Balance from 1910	\$5,293 55
Building Public Buildings account, amount transferred	<u>1,816 45</u>
	\$7,110 00

DEBIT.

(Expenditures.)

Cash, paid E. A. Binney, appraising land	\$5 00
Cornelius F. Keiley, settlement of claims for damages to estate	3,450 00
Abby E. Taylor, settlement of claims for damages to estate	<u>3,655 00</u>
	<u>\$7,110 00</u>

Public Buildings Construction, Davis School Vocational Equipment.

CREDIT.

Balance from 1910	\$3,751 07
Building Public Buildings account, balance returned	<u>16 50</u>
	\$3,734 57

DEBIT.

(Expenditures.)

Cash, paid Chandler & Farquhar Co., machinery, etc.	<u>\$3,734 57</u>
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Public Buildings Construction, William H. Hodgkins School Addition.

CREDIT.

Balance from 1910	\$7,980 55
Building Public Buildings account, amount transferred	<u>1,000 00</u>
	\$8,980 55
Balance to credit of account, 1912	<u>5,029 85</u>
	\$3,950 70

DEBIT.

(Expenditures.)

Cash, paid William J. McCarthy Co., labor and teaming	\$142 25
W. A. Snow Iron Works, constructing fence	536 00
Abbie P. Simpson, consideration for conveyance of land	<u>3,272 45</u>
	<u>\$3,950 70</u>

Industrial School for Girls.

CREDIT.

Building Public Buildings account, amount transferred	\$1,400 00
Lowell Street Bridges account, amount transferred	1,400 00
	<hr/>
	\$2,800 00
Balance to credit of account, 1912	162 28
	<hr/>
	\$2,637 72

DEBIT.

(Expenditures.)

Cash, paid C. W. Cahalan, installing plumbing service	\$728 54
Cambridge Gas Light Co., service pipe	10 50
Walter J. Godfrey, painting	223 86
John Kennedy, plastering	243 55
J. E. L. McLean, carpentering	1,000 00
A. F. McMillan, work on furnace	136 27
W. A. Thompson & Co., gas range	14 00
H. G. White Co., electrical work	281 00
	<hr/>
	\$2,637 72

Schoolhouse in Ward Seven.

CREDIT.

Balance from 1910	\$31,992 55
Building Public Buildings account, amount transferred	46,000 00
	<hr/>
	\$77,992 55
Balance to credit of account, 1912	50,302 52
	<hr/>
	\$27,690 03

DEBIT.

(Expenditures.)

Cash, paid Hollis R. Bailey, Trustee, settlement of claim for damages to estate	\$4,267 75
taxes on estate conveyed to city	65 69
Boston Blue Print Co., prints	4 04
Gilman D. Colman, settlement of claim for taking land and buildings	5,250 00
Alice I. Crawford, copying specifications,	22 50
W. J. Dobinson, drawings	5 40
Globe Newspaper Co., advertising	34 20
Boston Herald, advertising	22 00
Norris E. Hadley, settlement of claim for taking of land	1,350 00
Sven A. Johnson and Clifton A. Kennedy, settlement for taking of land	1,250 00
Philip J. McGrath, taking of land	2,441 25
Wesley A. Maynard, advertising	3 75
B. L. Makepeace, blue prints	10 07
A. B. Murdock, on account of construction of schoolhouse	8,589 28
The Boston Post, advertising	39 60
E. S. Runyan, pencil perspective	25 00
Somerville Journal Co., advertising	5 25
Orville S. Waldron, taking of land	4,304 25
	<hr/>
	\$27,690 03

Public Buildings Construction, Schoolhouses, Additional Window Space.

CREDIT.

Balance from 1912	\$1,900 00
Balance to credit of account, 1912	404 46
	<hr/>
	\$1,495 54

DEBIT.

(Expenditures.)

Cash, paid J. M. Andrews & Son, carpentering	\$59 30
Jackson Caldwell & Co., window shades,	27 00
Thomas Dowd, plastering	84 00
G. M. Davis & Son, mason work	45 05
House Cleaning Co., cleaning	36 00
John Lingard, painting, etc.	40 75
D. L. Shepard & Co., on account of contract	842 44
Trueman H. Thorpe, carpentering	361 00
	<hr/>
	\$1,495 54

LIBRARIES.

Central Library.

CREDIT.

Appropriations, from Taxes, 1911	\$17,000 00
County of Middlesex, dog licenses	3,949 82
	<hr/>
	\$20,949 82

Stock and labor billed other departments:—

School Contingent account, books lost	7 05
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Receipts:—

Cash, received of librarians:—	
books	\$53 31
finer	829 57
telephone tolls	12 27
	<hr/>
	895 15

\$21,852 02

DEBIT.

(Expenditures.)

Cash, paid Sam Walter Foss, salary as librarian	\$416 66
Drew B. Hall, salary as librarian	1,553 35
disbursements	29 91
Nellie M. Whipple, assistant librarian	841 66
Esther Mayhew, cataloguer	700 00
disbursements	6 61
Edith B. Hayes, assistant cataloguer	641 68
Anna L. Stone, assistant	650 00
Mabel E. Bunker, assistant	734 80
Mary S. Woodman, assistant	650 00
Bessie L. Duddy, assistant	641 68
disbursements	6 61
	<hr/>
Amount carried forward	\$6,872 96

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 127

Amount brought forward	\$6,872 96
A. Myrtle Merrill, assistant	575 01
disbursements	6 33
Ruby G. White, assistant	366 68
A. Lisette Parker, assistant	291 66
Helen Spear, assistant	249 96
Myrtle Nicholson, assistant	208 26
Zoe E. Nelson, assistant	208 26
Edgar L. Kauler, assistant	190 95
Harry B. Benson, assistant	36 20
Oscar H. Cedarlund, assistant	107 60
Richard Barlow, assistant	91 65
W. Dale Barker, assistant	16 10
Dudley F. Holden, assistant	50 95
William Mullaney, assistant	36 00
Thomas A. West, disbursements	31 60
William Abbott, periodicals	20 95
American Express Co., expressing . . .	42 39
American Library Association, member- ship	5 00
A. L. A. Publishing Board, periodicals .	16 25
American Political Science Association, periodicals	3 00
D. Appleton & Co., books	13 25
Frank W. Atwood, supplies	4 00
American Educational Co., book	3 50
Robert Appleton Co., books	12 00
John R. Anderson Co., book	85
Annual Review Publishing Co., books .	3 75
A. R. Andrews, supplies	3 00
American School of Home Economics, books	40 50
American Academy of Political and So- cial Science, periodical	5 00
N. J. Bartlett, books	42 58
Harry B. Benson, express	17 10
S. R. H. Biggs, books	1 00
Stanley M. Bowlby, express	40 50
George T. Bailey, periodicals	17 19
Boston Book Co., books	19 81
"Boston 1915," periodical	80
Boston Music Co., music books	5 04
C. Bowen, moving safe	12 00
Brown's Express, expressing	80
R. R. Bowker Co., books	5 00
Edward E. Babb & Co., books	41 54
Richard Barlow, express	9 60
Chivers Book Binding Co., books	62 40
Arthur H. Clark Co., books	2 00
W. B. Clarke Co., books	177 23
College Bindery, binding	718 82
James Clarke & Co., books	12 00
Cambridge University Press, books . .	103 25
Oscar Cedarlund, express	6 75
T. H. Castor & Co., books	82 26
George F. Cram, books	7 50
Carter, Rice & Co., stationery	1 46
John M. Chandler & Co., framing pic- tures	78 11
Amount carried forward	<hr/> \$10,978 35

Amount brought forward	\$10,978 35
Cambridge Ice Co., ice	14 10
Desmond Publishing Co., books	43 92
DeWolfe, Fiske Co., books	4,229 31
Oliver Ditson Co., music books	9 20
Dodd & Livingston, book	8 28
Dennison Mfg. Co., supplies	3 52
Davenport-Brown Co., furniture	188 26
Edison Electric Illuminating Co., elec- tric fans	19 00
Fitzherbert & Wing, periodicals	26 20
Thomas T. Fryer, books	5 50
David Farquhar, binding	1,225 08
Frost & Adams Co., supplies	5 17
Joseph Fels Fund of America, books	6 00
Forest Press, books	7 34
Franklin Institute, periodical	3 75
Gaylord Brothers, supplies	4 16
W. M. Gibbs, books	2 50
Glines & Co., expressing	17 55
Herman Goldberger, periodicals	519 41
Thomas Groom & Co., stationery	121 76
Gilman Express Co., expressing	45 91
W. A. Greenough & Co., directories	12 00
Goodspeed's Book Shop, books	48 25
Globe Stamp Works, supplies	15 77
S. Henry Hadley, music books	33
L. A. E. Harding, agency	31 04
Heaton's Agency, books	1 25
B. W. Huebsch, books	1 50
H. R. Huntting Co., books	163 38
Hinds, Noble & Eldredge, books	1 60
R. H. Hinckley Co., books	30 00
J. L. Hammett Co., books	55 26
Houghton Mifflin Co., books	26 25
Harvard Co-operative Society, books	6 54
Caroline L. Himebaugh, books	6 50
Interest Text-Book Co., books	13 33
Jordan Marsh Co., suit case	5 00
Library Bureau, periodicals	63 38
Little, Brown & Co., books	33 30
Charles E. Lauriat Co., books	14 35
Charles M. Lamprey, cards	1 96
Library of Congress, cards	50 00
Lothrop, Lee & Shepard Co., books	6 30
John Lane Co., periodical	50
George E. Littlefield, books	11 65
Louisville Free Public Library, printing,	8 40
Henry Malkan, books	23 70
Massachusetts Magazine, periodical	2 50
Harry B. Metcalf, books	1 00
Medford Historical Society, periodical	1 00
McDevitt-Wilson Bargain Book Shop, books	249 12
Mosler Safe Co., safe	112 50
Marshall Son & Co., supplies	2 25
James H. Matthews & Co., supplies	9 00
Macmillan Co., books	13 82

Amount carried forward \$18,507 00

Amount brought forward	\$18,507 00
Wesley A. Maynard, printing	3 25
Moody Manual Co., books	12 00
McGrow, Hill Book Co., books	4 50
Mississippi Valley Historical Association, periodical	2 00
National Municipal League, books	10 00
New England Telephone & Telegraph Co., service	49 77
National Education Association, periodical	2 00
Thomas Nelson & Sons, book	1 27
Neostyle Co., supplies	2 25
New England Stamp Co., book	4 00
New England Historical Genealogical Society, periodical	5 00
Old Corner Book Store, books	79 63
Observer Publishing Co., book	2 25
Office, Bank & Library Co., keys	1 20
Oliver Typewriter Co., supplies	1 24
Arthur W. Phillips, expressing	6 95
Poor's Manual Co., books	17 50
Publishers' Weekly, books	18 00
Perham's Express, expressing	1 50
Prince Society, book	5 00
Pearson & Marsh, books	44 96
Augustus G. Parker, books	3 50
G. P. Putnam's Sons, books	2 25
The Prang Co., books	29 66
Harry J. Ramsey, agency	240 00
Ritter & Flebbe, books	100 17
William Rademalkers, book	8 00
Review of Reviews Co., book	29 45
Stone & Forsyth, supplies	6 85
Schoenhof Book Co., books	69 25
Charles Scribner's Sons, books	22 30
A. Storrs & Bement, supplies	1 30
Superintendent Public Documents, periodical	3 00
Somerville Journal Co., printing	543 20
P. B. Sanford Co., binding	97 75
Smith-Premier Typewriter Co., supplies	4 25
Sampson & Murdock Co., directory	6 00
Somerville Post-office, envelopes	47 46
C. W. Thompson & Co., books	712 11
Thorpe's Express, expressing	5 60
John Towers, books	3 50
Topsfield Historical Society, books	42
University of Chicago, periodical	6 67
M. L. Vinal, agency	81 64
Vaughn Publishing Co., books	5 40
Williamis & Neiley, printing	69 25
H. W. Wilson Co., periodicals	113 33
Louis N. Wilson, books	2 50
Helen M. Winslow, books	1 50
Woman's Journal, periodical	3 75
L. A. Wells, binding	745 08
Amount carried forward	<hr/> \$21,746 41

Amount brought forward	\$21,746 41	
Webcowit Press, printing	18 00	
Samuel Ward Co., stationery	5 00	
Albert F. Ward, periodical	11 46	
Winter Hill Press, printing	7 10	
Young Folks' Educational League, books	48 75	
Yale University Press, books	14 05	
Zion's Herald, periodical	1 25	
		<hr/>
		\$21,852 02

Public Buildings Department, Maintenance Central Library.

CREDIT.

Appropriations, from Taxes, 1911	\$3,700 00
City Clerk's Department, Vital Statistics account, amount transferred	200 00
	<hr/>
	\$3,900 00
Excess and Deficiency account, balance transferred	117 81
	<hr/>
	\$3,782 19

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$1,060 00
H. W. Bursaw, oil	08
Cambridge Gas Light Co., gas	42 16
Jackson Caldwell & Co., furnishings	46 00
Cotter's Express, expressing	30
Derby & Co., repairing clock	1 50
James Duncan, re-seating chairs	6 25
J. H. Edwards, clamps	1 00
Edison Electric Illuminating Co., light- ing	915 47
James H. Fannon, constructing walk	215 39
Fred W. Farrar, repairing clocks	4 00
Frank E. Fitts Mfg. & Supply Co., ash cans	6 75
Glines & Co., expressing	25
Eugene Girroir, labor	38 00
J. J. Hurley & Co., installing radiators	152 60
James Harper & Co., repairing desk	3 50
Frank O. Johnson, plumbing	7 20
Kimball Sales Co., water cooler	9 45
Knott & Co., electrical work	8 45
Charles F. Mills, carpentering	3 80
J. Edward L. McLean, carpentering	69 60
Arthur T. McGilvray & Co., electrical work	90
George A. McGunnigle, janitor's service	21 25
N. D. B. Co., electrical work	3 15
Pittsburg Plate Glass Co., glass	1 54
A. W. Phillips, plastering	11 50
George L. Robinson, glazing, etc.	15 97
F. M. Rogers & Co., painting	546 00
C. A. Southwick, labor	22 00
E. S. Sparrow & Co., fertilizer	4 50
Underhill Hardware Co., hardware	5 10
	<hr/>
Amount carried forward	\$3,223 66

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Amount brought forward	\$3,223 66	
Wellington-Wild Coal Co., coal	519 08	
H. G. White Co., electrical work	1 90	
Henry A. Wheeler & Co., re-covering awnings	22 75	
	<hr/>	
	\$3,767.39	
Water Maintenance account, cleaning pipe	14 80	\$3,782 19
	<hr/>	<hr/>

West Somerville Branch Library.

CREDIT.

Appropriations, from Taxes, 1911		\$5,000 00
Receipts:—		
Cash, received of librarians:—		
books	\$12 85	
fines	485 53	
telephone tolls	3 15	
	<hr/>	501 53
		<hr/>
		\$5,501 53

DEBIT.

(Expenditures.)

Cash, paid Alice W. Sears, branch librarian	\$741 66
disbursements	6 03
Ethel M. Nute, assistant	466 64
Bessie S. Cobb, assistant	366 68
Ruth Fales, assistant	208 26
Mary L. Foss, assistant	39 76
Annie Currie, assistant	37 43
Hazel Macy, assistant	6 08
Ronald Moore, assistant	98 30
Harold Currie, assistant	31 05
George Ward, assistant	7 85
Sumner Catlin, assistant	4 55
American School of Home Economics, book	9 50
American Express Co., expressing	2 22
John R. Anderson Co., books	3 50
N. J. Bartlett & Co., book	2 50
Chivers Book Binding Co., books	2 76
W. B. Clarke Co., books	145 41
College Bindery, binding	105 73
Harold Currie, expressing	21 00
Cambridge Ice Co., ice	6 56
Carter, Rice & Co., supplies	2 75
DeWolfe, Fiske & Co., books	1,542 34
Dennison Mfg. Co., supplies	1 44
Dodd, Mead & Co., books	90 00
David Farquhar, binding	281 11
Gaylord Bros., supplies	8 40
Thomas Groom & Co., stationery	19 53
Herman Goldberger, periodical	292 15
W. A. Greenough & Co., directories	8 00
Globe Stamp Works, supplies	30
J. L. Hammett Co., books	6 25
H. R. Huntting Co., books	96 93
	<hr/>
Amount carried forward	\$4,662 67

Amount brought forward	\$4,662 67
Houghton Mifflin Co., books	33 25
Neil Morrow Ladd Book Co., books	3 10
Library Bureau, periodicals, etc.	23 35
Lothrop, Lee & Shepard Co., books	4 50
Marshall Son & Co., supplies	1 50
Ronald Moore, express	4 05
Wesley A. Maynard, printing	6 00
McDevitt-Wilson Bargain Book Shop, books	5 75
New England Telephone & Telegraph Co., service	26 82
New Fiction Library Co., books	9 45
Old Corner Book Store, books	30 26
The Prang Co., books	13 24
Pearson & Marsh, books	31 50
Ritter & Flebbe, books	20 00
Theodore E. Schulte, books	6 00
Leslie H. Steele Co., periodicals	37 28
Sampson & Murdock Co., directory	6 00
Standard Oil Co., lamps	7 00
Short Ballot Organization, books	5 00
Simplex Electric Heating Co., furnish- ings	5 63
C. W. Thompson & Co., music books	214 74
L. A. Wells, binding	296 54
H. W. Wilson Co., books	9 80
George Ward, express	8 10
West Somerville Post-office, post-card forms	30 00
	<hr/>
	\$5,501 53

**Public Buildings Department, Maintenance
West Somerville Branch Library.**

CREDIT.

Appropriations, from Taxes, 1911	\$1,750 00
Excess and Deficiency account, balance transferred	109 26
	<hr/>
	\$1,640 74

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$752 00
M. P. Canfield, labor on lawns	33 00
Edison Electric Illuminating Co., light- ing	553 10
installing underground service	74 07
McKenney & Waterbury Co., electric supplies	1 50
E. S. Sparrow & Co., hardware	11 70
Wellington-Wild Coal Co., coal	210 37
Walsh Brothers, spraying trees	5 00
	<hr/>
	\$1,640 74

Ward One Branch Library.

CREDIT.

Lowell Street Bridges account, amount transferred	\$1,000 00
Balance to credit of account, 1912	132 72
	<hr/>
	\$867 28

DEBIT.

(Expenditures.)

Cash, paid J. M. Andrews & Son, carpentering	\$109 73	
DeWolfe, Fiske & Co., books	90 65	
Frank E. Fitts Mfg. & Supply Co., ash cans	6 75	
Herman Goldberger, periodicals	104 70	
John Lingard, painting	87 75	
F. W. Leeman, window shades	16 50	
Daniel L. Shepard, carpentering	86 20	
C. H. Sanborn, installing heating system,	365 00	
		<u>\$867 28</u>

Union Square Branch Library.

CREDIT.

Lowell Street Bridges account, amount transferred	\$1,000 00	
Balance to credit of account, 1912	815 55	
		<u>\$184 45</u>

DEBIT.

(Expenditures.)

Cash, paid DeWolfe, Fiske & Co., books	\$78 70	
Dodd, Mead & Co., books	90 00	
Pearson & Marsh, books	15 75	
		<u>\$184 45</u>

Public Library, Trust Funds.

CREDIT.

Isaac Pitman Fund, Art	\$4,251 66	
Isaac Pitman Fund, Poetry	1,062 92	
Frances A. Wilder Children's Department Fund	100 00	
Martha R. Hunt Fund, Art	3,000 00	
Martha R. Hunt Fund, Books	12,000 00	
		<u>\$20,414 58</u>
Balance to credit of account, 1912	20,414 58	
		<u><u>\$20,414 58</u></u>

Public Library, Trust Funds, Investment.

CREDIT.

Balance to debit of account, 1912	\$20,414 58	
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DEBIT.

Isaac Pitman Fund, Art	\$4,251 66	
Isaac Pitman Fund, Poetry	1,062 92	
Frances A. Wilder Children's Department Fund	100 00	
Martha R. Hunt Fund, Art	3,000 00	
Martha R. Hunt Fund, Books	12,000 00	
		<u>\$20,414 58</u>

Public Library, Trust Funds, Income.

CREDIT.	
Balance from 1910	\$218 39
Cash, income from invested funds:—	
Isaac Pitman Fund, Art	\$170 14
Isaac Pitman Fund, Poetry	42 54
Martha R. Hunt Fund, Art	52 50
Martha R. Hunt Fund, Books	447 00
	<hr/>
	712 18
	<hr/>
	\$930 57
Balance to credit of account, 1912	873 20
	<hr/>
	\$57 37

DEBIT.
(Expenditures.)

Isaac Pitman Fund, Art:—	
Cash, paid DeWolfe, Fiske & Co., books	\$1 08
Thomas T. Fryer, books	9 00
Charles E. Lauriat Co., book	15 00
Library Art Club, pictures	6 00
Henry Malkan, book	1 62
Perry Pictures Co., pictures	4 55
C. F. Randall, stereographs	16 70
Horace K. Turner Co., books	3 42
	<hr/>
	\$57 37

RECREATION.**Engineering Department, Parks Maintenance.**

CREDIT.	
Appropriations, from Taxes, 1911	\$7,900 00
Excess and Deficiency account, balance transferred	25
	<hr/>
	\$7,899 75
Stock and labor billed other departments:—	
Sewers Construction account, labor and teaming	\$100 00
Engineering Department, Playgrounds Maintenance account, labor	125 00
	<hr/>
	225 00
Receipts:—	
Cash, received of Boston Elevated Railway Co., part maintenance of Broadway parkway	50 00
	<hr/>
	\$8,174 75

DEBIT.
(Expenditures.)

Cash, paid laborers	\$4,912 12
Thomas Allen, re-dressing concrete walks	264 90
F. C. Ayer, lumber	106 08
D. J. Bennett, brooms	3 75
Charles E. Berry, repairing mower	19 58
	<hr/>
Amount carried forward	\$5,306 43

Amount brought forward	\$5,306 43	
Broad Gauge Iron Works, gilded balls	9 00	
Joseph Breck & Sons, horse lawn mower	95 00	
Barrett Mfg. Co., tarvia	131 70	
J. A. Durell, supplies	3 95	
Edison Electric Illuminating Co., light- ing	6 53	
J. H. Edwards, wrench	2 00	
F. C. Fuller & Co., bolts	47 83	
Fellows & Co., step ladder	4 80	
E. Goodwin, painting automobile	45 00	
Eugene Girroir, labor	4 00	
Gilman's Express, expressing	2 00	
Hemeon Bros., labor	80 96	
J. W. Howard, plants	863 00	
William S. Howe, iron pipe and labor	2 75	
Ideal Supply Co., plumbing supplies	17 07	
George W. Ladd, jobbing	90	
C. H. Manzer, settee slabs	28 18	
George W. Manning, labor	79 25	
Charles F. Mills, cart body and labor	27 60	
Martin & Wood, sharpening	22 85	
Walter Morrison, expenses	1 50	
William J. McCarthy Co., curbed stone	1 90	
G. F. McKenna & Son, teaming	10 00	
M. Norton & Co., hose	66 00	
Annie O'Brien, repairing flag	1 00	
Mrs. E. A. Parker, repairing flag	1 25	
W. E. Plumer & Co., hardware	4 72	
E. S. Sparrow & Co., hardware	47 88	
James Teylin, teaming	627 01	
Underhill Hardware Co., hardware	67 25	
Charles L. Underhill, setting tires on reels	75	
The Underhill Co., repairing automobile	57 87	
Whitney & Snow, supplies	198 10	
Henry A. Wheeler & Co., ensigns	11 92	
I. B. Walker, repairing	1 80	
Walsh Bros., treating trees	35 00	
	<hr/>	
	\$7,914 75	
Highways Maintenance account, crushed stone, spraying, etc.	106 73	
Water Maintenance account, repairs and stock	148 65	
Sidewalk Assessments account, assessment	4 62	
	<hr/>	
		\$8,174 75
Metropolitan Parks Maintenance		\$18,497 03
Charles River Basin Maintenance		2,581 74
Wellington Bridge Maintenance		813 98
(See Commonwealth of Massachusetts account.)		

Public Buildings Department, Maintenance Park Buildings.

CREDIT.

Appropriations, from Taxes, 1911	\$300 00
Excess and Deficiency account, balance transferred	2 89
	<hr/>
	\$297 11

DEBIT.

(Expenditures.)

Cash, paid Armstrong Bros., plumbing	\$59 50
Ashton Valve Co., bubblers	8 10
F. C. Ayer, lumber	5 25
A. W. Berry, carpentering	97 00
J. A. Durell, hardware	11 10
Edison Electric Illuminating Co., light- ing	20 20
A. C. Gordon, painting	3 00
G. F. McNamara & Son, teaming	7 00
George L. Robinson, glazing	46
Wellington-Wild Coal Co., coal	85 50

\$297 11
Engineering Department, Playgrounds Maintenance.

CREDIT.

Appropriations, from Taxes, 1911	\$3,000 00
Somerville Field account, income	400 79
	<hr/>
	\$3,400 79
Excess and Deficiency account, balance transferred	16
	<hr/>
	\$3,400 63

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,242 63
F. C. Ayer, lumber	81 76
E. W. Bailey, registration of machine	7 50
Charles E. Berry, labor and material	79 22
Sarah Devereaux, setting glass	3 50
F. C. Fuller & Co., lawn mower	9 00
Highland Coal Co., lime	15 00
Hemeon Bros., carpentering	186 04
Eugene H. Jones, photographs	19 50
William Kirkland, teaming	6 00
E. S. Kearney, sawdust	30 00
George W. Manning, repairing	18 85
Charles F. Mills, labor	2 80
Walter Morrison, car fares	2 50
Martin & Wood, sharpening	4 00
McMahan & Smith, setting glass	2 50
M. Norton & Co., hose	31 62
E. S. Sparrow & Co., hardware	46 17
Somerville Journal Co., printing	22 25
James Tevlin, teaming	218 51
United Shoe Machinery Co. Band, ser- vices	121 00
I. B. Walker, staples	3 89
Whitney & Snow, snow scrapers, etc.	24 96
W. E. Plumer & Co., hardware	8 79
L. A. Wright, links	1 00
Wright & Ditson, bases	16 80
William J. Wiley, varnish, etc.	1 00

\$3,206 79

Amount carried forward \$3,206 79

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 137

Amount brought forward	\$3,206 79	
Highways Maintenance account, sand, etc.	40 97	
Engineering Department, Parks Maintenance account, labor, etc.	125 00	
Water Maintenance account, labor, etc.	27 87	
	<hr/>	\$3,400 63

Public Buildings Construction, Park Buildings, Broadway and Lincoln Parks.

CREDIT.

Balance from 1910	\$977 24	
Building Public Buildings account, amount transferred	1,000 00	
	<hr/>	\$1,977 24
Building Public Buildings account, balance returned	14 42	
	<hr/>	\$1,962 82

DEBIT.

(Expenditures.)

Cash, paid Armstrong Brothers, plumbing	\$292 30	
A. W. Berry, on account of contract for construction	538 40	
J. J. Hurley & Co., contract for heating,	376 00	
Leavis & Doherty, plumbing	552 50	
Fred W. Merrill, electrical work	203 62	
	<hr/>	\$1,962 82

Recreation Field, Alewife Brook.

CREDIT.

Appropriations, from Funded Debt, 1911	\$15,000 00	
Sewers Construction account, amount transferred	5,000 00	
	<hr/>	\$20,000 00
Balance to credit of account, 1912	74 68	
	<hr/>	\$19,925 32

DEBIT.

(Expenditures.)

Cash, paid laborers	\$4,609 26	
F. C. Ayer, lumber	1,793 85	
Brady & Flaherty, teaming	60 00	
Charles E. Berry, iron rods, etc.	318 80	
Daniel Collins, teaming	5 00	
T. G. Dale, teaming	136 25	
Frank C. Friend, soda and loam	500 00	
J. F. Hause & Co., teaming	60 00	
J. W. Howard, grass seed	103 90	
Harrington, King Co., duck, etc.	84 11	
George W. Manning, labor on flag poles	12 25	
G. F. McKenna & Son, teaming	225 00	
C. J. Miers & Co., teaming	90 00	
H. J. McAvoy, teaming	107 50	
	<hr/>	
Amount carried forward	\$8,105 92	

Amount brought forward	\$8,105 92	
J. Edward L. McLean, labor, etc.	1,504 96	
North Somerville Lumber Co., laths	75	
J. W. G. Pitcher, teaming	18 75	
Park Street Stables, teaming	50 00	
A. M. Prescott, teaming	187 50	
Pigeon-Fraser Hollow Spar Co., flag poles	100 00	
Pneumatic Hand Stamp Co., stencils, etc.	12 47	
D. M. Smith, teaming	5 00	
R. M. Sturtevant, teaming	7 50	
Suburban Coal Co., teaming	82 50	
E. S. Sparrow & Co., hardware	74 82	
James Tevlin, teaming	690 75	
C. E. Trumbull Co., constructing grand stand	8,489 66	
John Wilson, teaming	267 50	
Wheeler & Co., ensigns	19 28	
Whitney & Snow, hardware	201 49	
William J. Wiley, hardware	6 47	
	<hr/>	
	\$19,825 32	
Engineering Department account, services and inspection	100 00	
	<hr/>	
		<u>\$19,925 32</u>

Somerville Field.

CREDIT.

Receipts:—		
Cash, received of Somerville High School Athletic Association	\$1,000 00	
Frank R. Tule, commission on sales	7 79	
	<hr/>	
		\$1,007 79
Engineering Department, Playgrounds Maintenance account, amount transferred	\$400 79	
Interest account, amount transferred	607 00	
	<hr/>	
		<u>1,007 79</u>

School Department, Summer Playgrounds.

CREDIT.

Appropriations, from Taxes, 1911	\$1,600 00	
Excess and Deficiency account, balance transferred	2 03	
	<hr/>	
		\$1,597 97

DEBIT.

(Expenditures.)

Cash, paid weekly salaries	\$471 80	
American Express Co., expressing	70	
Boston Dry Goods Co., supplies	9 70	
Boston Badge Co., medals	19 95	
Cotter's Express, expressing	8 78	
	<hr/>	
Amount carried forward	\$510 93	

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Amount brought forward	\$510 93
Elizabeth M. Collins, disbursements	16 63
John W. Cremen, services	40 00
Chandler & Farquhar, supplies	11 71
Charles S. Clark, disbursements	47 38
William P. Carroll, labor	8 00
Leslie O. Cummings, labor	46 10
Dodge, Haley & Co., supplies	2 33
George Dolliver, labor	9 00
Matthew C. Duggan, disbursements	1 50
Fitch & Co., supplies	48 50
George W. Gale Lumber Co., supplies	82 38
Glines & Co., expressing	1 95
Nehemiah E. Gillespie, labor	25 00
Gilman's Express Co., expressing	1 00
J. B. Hunter & Co., supplies	76 35
Charles W. Hurn, labor	45 00
Charles W. Hobbs, cups and engraving,	40 97
Freeman Johnson, labor	9 00
G. F. McKenna & Son, teaming	27 00
A. S. Morss Co., supplies	11 86
Stephen H. Mahoney, labor	5 00
Harlowe McDowell, labor	6 00
Charles McLean, labor	6 00
James H. Mullen, labor	4 75
Robert A. Miner, services	15 00
D. J. Moynahan, carriage hire	3 00
W. E. Plumer & Co., supplies	26 37
The Horace Partridge Co., supplies	29 15
Harry Rogers, labor	4 00
A. P. Rockwood, use of team	2 00
E. D. Sawyer Lumber Co., supplies	98
S. M. Spencer Mfg. Co., supplies	1 25
Stuart-Howland Co., supplies	3 50
John J. Shea, labor	62 16
A. G. Spaulding & Bros., swings	17 25
Walworth Mfg. Co., supplies	148 49
Henry A. Wheeler & Co., supplies	8 15
Whitney & Snow, supplies	36 87
John M. Woods & Co., supplies	6 02
Wright & Ditson, supplies	138 18
I. B. Walker, supplies	11 26
	<hr/>
	\$1,597 97
	<hr/>

Public Buildings Department, Maintenance Bathhouse.

CREDIT.

Appropriations, from Taxes, 1911	\$800 00
Maintenance Fire Buildings account, amount transferred	200 00
Maintenance Municipal Buildings account, amount transferred	300 00
Election Expenses, Polling Places account, amount transferred	151 23
	<hr/>
	\$1,451 23
Receipts:—	
Cash, received of Walter T. Littlefield, bathhouse receipts,	701 69
	<hr/>
	\$2,152 92

DEBIT.

(Expenditures.)

Cash, paid Edwin P. Fitzgerald, services as lifeguard	\$240 00	
Attendants	634 00	
F. C. Ayer, lumber	24 41	
C. W. Cahalan, plumbing	159 77	
Jackson Caldwell & Co., shade, etc.	1 15	
J. A. Durell, hardware	5 03	
Eugene Girroir, labor	2 00	
High & Hoyt, Sales Agents, cash register	58 00	
P. Hurley, teaming and lunches for help, Iver Johnson Sporting Goods Co., bathing suits, etc.	56 00	
Frank O. Johnson, plumbing	154 40	
William J. McCarthy Co., labor	1 90	
G. F. McKenna & Son, teaming	412 25	
Charles F. Mills, carpentering	3 00	
A. M. Morton & Co., hardware	68 40	
Martin & Wood, keys, etc.	24	
George L. Robinson, painting	27 20	
William Reed & Sons, suit	91	
S. M. Spencer Mfg. Co., rubber stamp, etc.	2 00	
Somerville Journal Co., printing	1 33	
E. S. Sparrow & Co., hardware	1 50	
Somerville Laundering Co., laundering	10 74	
Toppan Boat Mfg. Co., boat, buoy, etc., Underhill Hardware Co., hardware	42 98	
Henry A. Wheeler & Co., awning	33 50	
George H. Wickes & Son, painting fence, Wright & Ditson, bathing suit	2 70	
	18 75	
	186 76	
	4 00	
		<u>\$2,152 92</u>

CELEBRATIONS.

Memorial Day.

CREDIT.

Appropriations, from Taxes, 1911	\$425 00
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DEBIT.

(Expenditures.)

Cash, paid Frank E. Draper Camp, 41, U. S. W. V., observance of Memorial Day	\$75 00	
Willard C. Kinsley Post, 139, G. A. R., observance of Memorial Day	350 00	
		<u>\$425 00</u>

Independence Day.

CREDIT.

Contingent Fund account, amount transferred	\$500 00
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DEBIT.

(Expenditures.)

Cash, paid Somerville Fourth of July Association, fireworks and concert	\$500 00
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UNCLASSIFIED.**Municipal Documents.**

CREDIT.

Excess and Deficiency account, amount transferred	\$1,500 00
Appropriations, from Taxes, 1911	500 00
	<hr/>
	\$2,000 00
Excess and Deficiency account, amount transferred	109 64
	<hr/>
	\$1,890 36

DEBIT.

(Expenditures.)

Cash, paid American Express Co., express- ing	\$11 16
Walter S. Barnes & Son, boxes	4 00
Somerville Journal Co.:— advertising Revised Ordinances	391 50
printing annual reports	1,483 70
	<hr/>
	\$1,890 36

Contingent Fund.

CREDIT.

Appropriations, from Taxes, 1911	\$1,000 00
Independence Day account, amount transferred	500 00
	<hr/>
	\$500 00

Receipts:—

Cash, received of sundry persons, licenses to peddle	\$25 00
Sundry persons, druggists' licenses	34 00
	<hr/>
	59 00

	<hr/>
	\$559 00
Excess and Deficiency account, balance transferred	514 25
	<hr/>
	\$44 75

DEBIT.

(Expenditures.)

Cash, paid John Bousfield, ringing bell	\$5 00
Commonwealth of Massachusetts, 25 per cent. of liquor licenses	8 75
Henry A. Kendall, ringing bell	5 00
John R. Nichols, ringing bell	10 00
M. G. Staples, ringing bell	6 00
Asbury Strahan, ringing bell	5 00
W. C. Towne, ringing bell	5 00
	<hr/>
	\$44 75

Building Public Buildings.

CREDIT.

Balance from 1910	\$1,055 03
Appropriations, from Funded Debt, 1911	70,000 00
	<hr/>
	\$71,055 03
	<hr/>
Amount carried forward	\$71,055 03

Amount brought forward		\$71,055 03
Amounts transferred from the following:—		
Sewers Construction account	\$1,816 45	
Tuberculosis Hospital Construction account	4 07	
Davis School, Vocational Equipment account	16 50	
Park Buildings, Broadway and Lincoln Parks account	14 42	
		<u>1,851 44</u>
		\$72,906 47
Amounts transferred to the following:—		
Martin W. Carr School Addition account	\$1,816 45	
Park Buildings, Broadway and Lincoln Parks account	1,000 00	
Police Building, Vaults account	3,000 00	
Incinerator Building account	1,800 00	
Municipal Buildings, Vaults account	2,800 00	
Schoolhouse in Ward Seven account	46,000 00	
City Hall, Additional Accommodations account	2,500 00	
Bennett School Addition account	1,000 00	
William H. Hodgkins School Addition account	1,000 00	
Industrial School for Girls account	1,400 00	
City Home Addition account	8,000 00	
Fire Station, Winter Hill account	2,500 00	
		<u>72,816 45</u>
Balance to credit of account, 1912		<u>\$90 02</u>

MUNICIPAL INDEBTEDNESS.

Interest.

CREDIT.

Appropriations, from Taxes, 1911		\$85,000 00
Water Works Income account, amount appropriated		1,980 00
Somerville Field account, income		607 00
		<u>\$87,587 00</u>
Reduced by the following transfers:—		
Refuse and Garbage Disposal account:—		
	\$12,000 00	
	6,000 00	
	<u>18,000 00</u>	
Contagious Hospital account:—		
	\$1,500 00	
	500 00	
	<u>2,000 00</u>	
Maintenance Contagious Hospital account	300 00	
Tuberculosis Hospital account	200 00	
Health Department account	800 00	
Soldiers' Relief account	965 19	
		<u>22,265 19</u>
		\$65,321 81
Excess and Deficiency account, balance transferred		873 90
		<u>\$64,447 91</u>
Amount carried forward		\$64,447 91

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 143

Amount brought forward		\$64,447 91
Receipts:—		
Cash, received of sundry persons:—		
Interest on deferred taxes	\$7,455 44	
Interest on deferred assessments	351 18	
Interest on bank balances	3,300 47	
Accrued interest on bond issue, 1911	1,065 33	
		<hr/> 12,172 42
		<hr/> \$76,620 33

	DEBIT.	
Coupons maturing April 1, 1911	\$10,665 00	
Coupons maturing July 1, 1911	12,820 00	
Coupons maturing October 1, 1911	12,917 50	
Coupons maturing January 1, 1912	10,677 50	
		<hr/> \$47,080 00
Cash, paid interest on Registered Bonds:—		
Interest due April 1, 1911	\$3,990 00	
Interest due July 1, 1911	1,357 50	
Interest due October 1, 1911,	4,455 00	
Interest due January 1, 1912,	1,540 00	
		<hr/> 11,342 50
On Temporary Loans:—		
Notes Nos. 48-53, 281 days, \$100,000.00	\$2,591 44	
Notes Nos. 54-56, 246 days, \$50,000.00	1,096 75	
Notes Nos. 57-65, 253 days, \$150,000.00	3,382 57	
Notes Nos. 68-85, 323 days, \$250,000.00	7,984 27	
Notes Nos. 86-91, 264 days, \$100,000 (less premium, \$1.35)	2,587 33	
Notes Nos. 92-94, 76 days, \$50,000.00	329 86	
Notes Nos. 95-97, 40 days, \$50,000.00	173 61	
		<hr/> 18,145 83
On Library Trust Funds		52 00
		<hr/> \$76,620 33

Memorandum Showing Total 1911 Interest.

Interest on Temporary Loans of City		\$18,197 83
Interest on City Bonds:—		
Water Bonds	\$1,980 00	
City Loan, etc.	56,442 50	
		<hr/> 58,422 50
Interest on Metropolitan Assessments:—		
(See Commonwealth of Massachusetts account)		
Metropolitan Sewers	\$27,159 34	
Metropolitan Parks	14,205 35	
Charles River Basin	10,056 77	
Alewife Brook	151 67	
Metropolitan Water Assessment	69,849 26	
		<hr/> 121,422 39
Amount carried forward		<hr/> \$198,042 72

Amount brought forward	\$198,042 72
Interest on State Assessment:— (See Commonwealth of Massachusetts account)	
Abolition of Grade Crossings	1,381 48
	<hr/>
	\$199,424 20

Reduction of Funded Debt.

CREDIT.

Balance from 1910	\$327 20
Appropriations, from Taxes, 1911	162,000 00
Water Works Income, amount appropriated, Water Bonds	6,000 00
Water Works Income, amount transferred	1,730 24
	<hr/>
	\$170,057 44
Maintenance Tuberculosis Hospital account, amount transferred	1,000 00
	<hr/>
	\$169,057 44
Balance to credit of account, 1912	7,579 80
	<hr/>
	\$161,477 64

Receipts:—

Cash, received of Blake Brothers & Co., premium on bonds	\$4,647 36
Hutchins Organ Co., about six acres land in Waltham	3,075 00
	<hr/>
	7,722 36
	<hr/>
	\$169,200 00

DEBIT.

(Expenditures.)

Cash, paid bonds maturing in 1911	\$169,000 00
Old Colony Trust Company, preparation and certification of bonds	200 00
	<hr/>
	\$169,200 00

Memorandum of Total Payments in 1911 on Account of Debt.

Water Bonds	\$6,000 00
City Loan, Sewer, etc.	163,000 00
On account of Metropolitan District Debt:— (See Commonwealth of Massachusetts account)	
Metropolitan Sewers	14,931 20
Metropolitan Parks	5,094 88
Charles River Basin	2,992 89
Alewife Brook	750 00
Metropolitan Water Assessment	25,671 21
State Assessment:— (See Commonwealth of Massachusetts account)	
Abolition of Grade Crossings	5,333 61
	<hr/>
	\$223,773 79

PUBLIC SERVICE ENTERPRISES.**Water Maintenance.**

CREDIT.

Water Works Income, amount appropriated	\$25,000 00	
Less unexpended balance	556 62	
		\$24,443 38
Water Works Extension account, amount transferred	\$6,000 00	
Less unexpended balance	3,239 45	
		2,760 55
		<u>\$27,203 93</u>

Receipts:—

Cash, received of sundry persons, costs	\$87 00	
Sundry persons, pipe, fittings, etc.	11,428 34	
Edison Electric Illuminating Co., grounding wires	250 00	
		11,765 34

Stock and labor billed other departments:—

Engineering Department account, gasoline	\$53 10	
Maintenance Municipal Buildings account, inspection	56	
Inspection of Milk and Vinegar account, gasoline	17 30	
Elm-leaf Beetle Extermination account, gasoline	4 50	
Sewers Construction account, drain pipe	11 72	
Sewers Maintenance account, drain pipe	7 81	
Street Sprinkling account, maintenance water posts	260 93	
Highways Construction account, stock and labor	35 01	
Highways Maintenance account, pipe, etc.	65 21	
Support of Poor, City Home account, stock and labor	10 76	
Maintenance School Buildings account, stock and labor	49 06	
Maintenance Central Library account, cleaning pipe	14 80	
Engineering Department, Parks Maintenance account, repairs and stock	148 65	
Playgrounds Maintenance account, labor, etc.	27 87	
Water Works Extension account, stock	11,060 82	
		11,768 10
		<u>\$50,737 37</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$19,534 11
Frank E. Merrill, salary as water commissioner	2,300 00
use of automobiles	437 35
expenses	15 50
	<u>\$22,286 96</u>
Amount carried forward	

Amount brought forward	\$22,286 96
Charles R. Hildred, assistant	1,014 00
car fares	3 40
Lillian E. Leavitt, assistant	819 23
Laura E. Peavey, assistant	700 00
Marion L. Morrison, assistant	536 16
Josephine M. Sander, clerical services . .	52 00
Lula E. Chapman, clerical services . .	56 00
Edna L. Goodwin, clerical services . .	8 00
Hazel M. Etter, clerical services . . .	24 00
American Express Co., expressing . . .	10 75
Anderson Coupling Co., fittings . . .	244 00
American Belting & Tanning Co., leather	4 80
American Implement & Seed Co., jack plate	23
D. J. Bennett, harness repairs	49 45
Charles Booth, wood	8 00
Boston & Maine Railroad, freight . . .	173 17
Braman, Dow & Co., fittings	961 29
Harold L. Bond Co., packing	78 35
W. H. Broderick, services	24 00
Builders' Iron Foundry, castings . . .	615 81
Barber Asphalt Paving Co., paving . .	22 48
Boston Woven Hose & Rubber Co., hose	4 95
Chadwick-Boston Lead Co., lead and pipe	787 54
Cotter's Express, expressing	50
John H. Cahalan, claim	5 00
Chapman Valve Mfg. Co., valves . . .	87 17
William R. Conard, inspection	67 18
Bernard Charles, brooms	3 50
Davenport-Brown Co., lumber	5 74
Neils A. Dolleris & Son, horn	3 00
Davis & Farnham Mfg. Co., fittings . .	290 96
The Elliot Co., stencil supplies . . .	56 42
J. H. Edwards, sharpening tools . . .	137 25
Julian D'Este Co., repairing tools . .	93 60
Empire Rubber Mfg. Co., rubber matting	12 37
F. E. Fitts Mfg. & Supply Co., towels .	9 67
R. B. Field & Co., washers	5 75
Fresh Pond Ice Co., ice	86 93
Fred W. Farrar, repairing clock . . .	5 50
Gifford Wood Co., steel	1 00
Glines & Co., expressing	95
Thomas Groom & Co., books	77 65
Gulf Refining Co., oil and gasoline . .	59 28
Gilman Express Co., expressing . . .	29 98
Globe Gas Light Co., repairs	1 10
W. A. Greenough & Co., directory . .	4 00
B. F. Goodrich Co., tire	12 54
F. W. Gilbert, rubber boots	9 50
Grout Automobile Co., guides	62
General Tool & Supply Co., wrenches .	4 65
Peter Gray & Co., hinge	50
Hersey Mfg. Co., meter parts	6 95
Hill-Michie Co., tires	126 08

Amount carried forward \$29,689 91

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Amount brought forward	\$29,689 91
Fred A. Houdlette & Son, pipe	2,271 19
William S. Howe, iron work	32 10
Fred M. Hutchinson, expenses	7 10
J. W. Howard, ivy	4 25
George F. Hurn & Co., heater	1 00
Hodge Boiler Works, re-tubing boiler	204 00
R. D. Hildred, car fares	9 58
Independent Ice Co., ice	78 23
Ideal Supply Co., pipe, etc.	60
Joy Mfg. Co., wrench	1 50
Charles F. Jones, indicator	5 00
Susan A. Johnson, pipe	1 32
L. E. Knott Apparatus Co., cups	3 50
George W. Ladd, tools sharpened	135 00
Library Bureau, cases	63 40
Lord & Webster, hay and straw	192 65
C. W. Lerner & Co., disinfectant	20 15
Lead Lined Iron Pipe Co., pipe, etc.	1,667 05
Homer F. Livermore, copper tube	1 45
T. E. Littlefield, lumber	• 112 86
Ludlow Valve Mfg. Co., valves	71 10
Thomas McNeill, telephone calls	7 00
Wesley A. Maynard, printing	12 50
H. Mueller Mfg. Co., fittings	526 46
J. D. MacLennan, powder	2 40
Martin & Wood, sharpening tools	3 00
Daniel Morgan, claim	50 00
George McDormand, horseshoeing	4 00
Frank A. Macno, repairs	1 00
Metropolitan Water & Sewage Board, stock and labor	186 52
M. Norton & Co., rubber boots	2 75
New England Telephone & Telegraph Co., service	209 17
Norwood Engineering Co., hydrants	286 50
National Meter Co., meter parts	117 09
New England Towel Supply Co., use of towels	5 40
Neptune Meter Co., meter parts	367 73
Fulton O'Brien, hay and grain	170 03
Edward O'Brien, horseshoeing	33 00
A. M. Pride, fence	312 20
Perham's Express, expressing	15
Proctor Automobile Co., indicator	3 12
W. E. Plumer & Co., hardware	69 46
Proctor Bros. Grain Co., grain	169 52
G. H. Proctor Supply Co., rings, etc.	9 05
Henry W. Perry, medicine	3 60
Phelps Bros., hay and straw	91 49
George G. Page Box Co., boxes	35 35
Pratt & Cady Co., supplies	35 25
John B. Rufer, horseshoeing	130 35
Rensselaer Valve Co., valves	1,160 50
Mary Rapoza, claim	10 00
Richards & Co., lead	331 19
Charles R. Simpson, veterinary services	2 00
Somerville Iron Foundry, castings	488 48
Somerville Journal Co., printing	513 50

Amount carried forward \$39,922 70

Amount brought forward	\$39,922 70
E. S. Sparrow & Co., brooms, etc.	60 88
Stanley Motor Carriage Co., repairs	176 67
J. R. Spaulding & Co., valve	2 00
Standard Oil Co. of New York, gasoline	260 00
Simpson Bros. Corporation, paving	9 55
Sanborn Map Co., corrections	10 00
Frederick W. Shepard Publishing Co., subscription	3 00
Somerville Reporter, printing	15 50
Scott & Tinglof, hoops	10 50
Smith-Premier Typewriter Co., repairs	1 00
Somerville Post-office, postage	482 48
William J. Thompson, wood	52 41
Turner & Co., envelopes	46 22
Fred J. Thomsen, car fares	17 15
Thomson Meter Co., meters, etc.	1,670 60
Thompson, Durkee Co., fittings	21 75
Nathan Tufts & Sons, grain	163 00
Turner Asbestos Co., pipe covering	2 77
Charles L. Underhill, wagon repairs	37 30
Underhill Hardware Co., hardware	63 36
Union Glass Co., globes	1 00
Union Water Meter Co., fittings	968 29
Vernon Street Garage, trucks	863 50
William E. Valentine & Co., stencil cut- ting	2 50
White & Bagley Co., oil	7 00
Waldo Bros., cement	131 18
Walworth Mfg. Co., fittings	71 62
Samuel Ward Co., office supplies	30 19
A. J. Wilkinson & Co., tools	106 65
Wagner Electric Mfg. Co., repairing motor	6 50
R. Woodman Mfg. & Supply Co., seals and wire	27 32
Henry R. Worthington, meter parts	1,896 69
F. W. Webb Mfg. Co., bubblers	2 00
Frederick B. Witherly, castings	447 24
R. D. Wood & Co., hydrants	2,753 41
Walker & Pratt Mfg. Co., hood	20 00
I. B. Walker, rods	19 81
The Wilkins Press, books	12 03
Winter Hill Ice Co., ice	1 64
George A. Watts, clips	5 75
Whitney Mfg. Co., chain	2 83
Western Union Telegraph Co., telegrams	83
H. G. White Co., register	58 76
C. L. York Co., express	67 68
	<hr/>
	\$50,533 26
Sewers Maintenance account, gates	132 28
Highways Maintenance account, stock and labor	71 83
	<hr/>
	<u>\$50,737 37</u>

Water Works Extension.

CREDIT.

Water Works Income account, amount appropriated	\$13,500 00
Amount carried forward	<hr/> \$13,500 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 149

Amount brought forward		\$13,500 00
Water Maintenance account, amount transferred	\$6,000 00	
Less unexpended balance	3,239 45	
		<u>2,760 55</u>
		<u>\$10,739 45</u>

Receipts:—

Water Service Assessments account, amount received in 1911		4,200 44
Stock and labor billed other departments:—		
Street Sprinkling account, water post		30 45
		<u>\$14,970 34</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$3,171 85	
James H. Fannon, labor and teaming	737 67	
	<u>\$3,909 52</u>	
Water Maintenance account, stock	11,060 82	
		<u>\$14,970 34</u>

Refunds on Water Charges.

DEBIT.

(Expenditures.)

Cash, paid sundry persons, money refunded		\$475 48
Transferred to debit of Water Works Income account		<u>475 48</u>

Public Buildings Department, Maintenance Water Buildings.

CREDIT.

Water Works Income account, amount appropriated	\$700 00	
Water Works Income account, balance transferred	106 33	
		<u>\$806 33</u>

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$62 69	
Charlestown Gas & Electric Co., gas	8 33	
Edison Electric Illuminating Co., lighting	177 60	
Glines & Co., expressing	90	
J. J. Hurley & Co., repairing heating apparatus	6 20	
S. P. Larsen & Son, roofing	46 39	
T. E. Littlefield, lumber	6 65	
Charles F. Mills, carpentering	64 60	
Pittsburg Plate Glass Co., glass	10 47	
A. W. Phillips, mason work	8 00	
George L. Robinson, painting	15 48	
John B. Rufer, hardware	10 05	
Renner's Express, expressing	4 75	
	<u>\$422 11</u>	
Amount carried forward		\$422 11

Amount brought forward	\$422 11	
Sexton Can Co., pump, etc. . . .	130 50	
Somerville Coal Co., fuel	11 60	
Wellington-Wild Coal Co., coal . .	208 96	
John M. Woods & Co., lumber . . .	33 16	
	<hr/>	\$806 33

Water Service Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons, cost of services laid . .	\$4,200 44
Transferred to Water Works Extension account	<u>4,200 44</u>

Water Works Income.

CREDIT.

Metered Water Charges, last quarter district No. 1, 1911, uncollected	\$16,459 80
Receipts:—	
Cash, received of sundry water takers	\$210,587 82
Abatements	\$17 90
Refunds	475 48
	<hr/>
	493 38
	<hr/>
	210,094 44
Total income, sales of water	\$226,554 24
Reduction of Funded Debt, balance transferred	<u>1,730 24</u>
	\$224,824 00

DEBIT.

Water Maintenance account, amount appropriated	\$25,000 00
Less unexpended balance	556 62
	<hr/>
	\$24,443 38
Reduction of Funded Debt account, Water Loan Bonds, amount appropriated	6,000 00
Interest account (Water Loan Bonds), amount appropriated	1,980 00
Water Works Extension account, amount appropriated	13,500 00
Sewers Maintenance account, amount ap- propriated	13,000 00
Fire Department account, amount appro- priated	50,000 00
Commonwealth of Massachusetts, Metro- politan Water Assessment	115,094 29
Maintenance Water Buildings; amount ap- propriated	700 00
amount transferred	106 33
	<hr/>
	\$224,824 00

APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, February 26, 1912.

To the Board of Aldermen of the City of Somerville:—

Gentlemen: The committee on finance, to which was referred the report of the city treasurer and collector of taxes for the year 1911, reports recommending that it be printed in the annual reports of the year 1911, and that the report of the expert accountant who made the examination of the books and accounts of the city treasurer be accepted as the report of this committee.

(Signed)

JOSEPH O. KNOX,
Chairman Committee on Finance.

REPORT OF THE SCHOOL COMMITTEE.

School Committee Rooms, December 22, 1911.

Ordered, that the annual report of the Superintendent be adopted as the annual report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that it be incorporated in the reports of the City Officers; and that 1,000 copies be printed separately.

CHARLES S. CLARK,
Secretary of School Board.



PLAY FESTIVAL FOR GIRLS, CENTRAL HILL PARK, AUGUST 23, 1911
City Hall Annex and Office of Superintendent of Schools in Background

SCHOOL COMMITTEE, 1911.

HENRY H. FOLSOM,	Chairman
GEORGE C. MAHONEY,	Vice-Chairman

Members.

EX-OFFICIIS.

	Term Expires January
CHARLES A. BURNS, Mayor, 27 Thurston street	1912
RALPH M. SMITH, Pres. Board of Aldermen, 80 Bay State avenue	1912

WARD ONE.

MRS. MARY G. WHITING	61 Mt. Vernon street	1912
EMORY F. CHAFFEE	109 Pearl street	1913

WARD TWO.

DANIEL H. BRADLEY	19 Concord avenue	1912
THOMAS M. CLANCY	52 Springfield street	1913

WARD THREE.

GEORGE E. WHITAKER	75 Walnut street	1912
ALBERT C. ASHTON	33 Columbus avenue	1913

WARD FOUR.

CHARLES A. KIRKPATRICK	27 Sewall street	1912
GEORGE W. FOSTER	7 Evergreen avenue	1913

WARD FIVE.

HENRY H. FOLSOM	103 Central street	1912
J. WALTER SANBORN	183 Central street	1913

WARD SIX.

FREDERICK A. P. FISKE	44 Cherry street	1912
MRS. MARY R. BREWER	170 Summer street	1913

WARD SEVEN.

GEORGE C. MAHONEY	97 College avenue	1912
MRS. LILLA H. TAINTER	46 Chester street	1913

Superintendent of Schools.

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 13 Hudson street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

STANDING COMMITTEES, 1911.

Note.—The member first named is chairman.

High Schools.—Sanborn, Mahoney, Clancy, Ashton, Foster, Fiske, Mrs. Whiting.

District I.—Mrs. Whiting, Chaffee, Foster.
PRESCOTT, HANSCOM, DAVIS, BENNETT.

District II.—Bradley, Clancy, Chaffee.
KNAPP, PERRY, BAXTER.

District III.—Whitaker, Ashton, Mrs. Whiting.
POPE, BELL, CUMMINGS.

District IV.—Kirkpatrick, Foster, Sanborn.
EDGERLY, GLINES.

District V.—Folsom, Sanborn, Kirkpatrick.
FORSTER, BINGHAM.

District VI.—Fiske, Mrs. Brewer, Folsom.
CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Dr. Mahoney, Mrs. Tainter, Fiske.
HIGHLAND, HODGKINS, LINCOLN, LOWE.

Additional School Accommodations.—Mahoney, Clancy, Fiske, Chaffee, Folsom, Foster, Ashton, Burns, Smith.

Evening Schools.—Fiske, Mrs. Tainter, Chaffee.

Finance.—Folsom, Bradley, Whitaker, Burns, Smith.

Industrial Education.—Foster, Sanborn, Kirkpatrick, Mrs. Whiting, Ashton.

Medical Inspection.—Mrs. Brewer, Mahoney, Mrs. Whiting.

Music.—Ashton, Bradley, Folsom.

Private Schools.—Clancy, Mrs. Brewer, Kirkpatrick.

Repairs of School Buildings.—Mrs. Tainter, Foster, Mrs. Brewer.

Rules and Regulations.—Bradley, Fiske, Mahoney.

Salaries.—Kirkpatrick, Whitaker, Clancy.

Supplies.—Chaffee, Sanborn, Whitaker.

Text-Books and Courses of Study.—Whitaker, Chaffee, Bradley, Kirkpatrick, Folsom, Mrs. Tainter, Mrs. Brewer.

Vacation Schools and Playgrounds.—Mrs. Whiting, Mrs. Tainter, Fiske.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:—

Herewith I submit to you the report of the condition of the schools for the year 1911 which by your rules and regulations the Superintendent is required to make. Presuming that it may be your pleasure to again follow the custom of recent years by adopting this report as the annual report of the Board of School Committee, I have treated some topics with considerable detail, in order that the citizens of Somerville may have full information concerning them. The usual statistical matter is presented in tabular form, showing the facts concerning attendance and cost, and a few subjects are treated in special statements which are placed in the second part of the report. In accordance with the natural order, comment will first be made upon

School Attendance. According to the United States census, the population of Somerville in 1910 was 77,236. It is estimated that the population is now 78,000, an increase in round numbers of 700. The entire enrollment in the public schools for the year 1910 was 14,481. The entire enrollment for 1911 is 14,301, a decrease of 180. The average number belonging in 1910 was 12,131. In 1911 it is 11,871, a decrease of 260. In 1910 a fair comparison between the entire enrollment of that year and that of the preceding year could not be made because of the fact that in 1910 children five years old were for the first time denied admission to the first grade, but the comparison between the entire enrollment for 1911 and that of 1910 can be made on an even basis, and plainly shows a loss of nearly 200 pupils. This corresponds with the loss in the same time in the average membership.

The membership of the schools for December, 1911, is as follows:—

Whole membership	11,923
Membership in the high school.....	1,781
“ “ “ elementary schools	9,837
“ “ “ kindergartens	217
“ “ “ vocational schools	83

Three hundred and forty-three teachers are now employed. Three hundred and thirty-nine were employed last year. Sixty-two are now employed in the high school, 264 in the elementary schools, 7 in the kindergartens, and 10 in the vocational schools.

The decrease in the membership of the schools has led to the giving up of three classes, two in Ward Six and one in Ward Five.

The distribution of children over the city is such as to produce variations in the numbers attending the classes which are provided in the several elementary schools. As a consequence, some classes are too large and others too small. It is generally recognized that the size of the class which one must teach has much to do with the efficiency of the work of the class. Some cities establish as the standard maximum to be assigned to one teacher forty-two pupils, and some others even a smaller number. Our rules provide that an assistant may be employed whenever a class has more than fifty pupils, thereby permitting a maximum of fifty pupils to one teacher. Besides having a direct relation to the efficiency of the instruction given by the schools, the number of pupils assigned to each teacher has a direct relation to the number of teachers to be employed and to the cost of instruction. The following statement shows how our elementary schools now correspond in organization to these two standards of measurement. Ten thousand one hundred and sixty-six pupils are organized into 234 classes in grades 1 to 9, inclusive, making an average of 43.3 to a teacher. If this average were the actual fact, the condition would be one very favorable to the interests of both pupils and teachers, and one not unduly unfavorable from the standpoint of economy. As things stand, however, these are the conditions:—

23	classes	have	over	50	pupils.
90	"	"	between	45	and 50 pupils.
63	"	"	"	40	and 45 "
36	"	"	"	35	and 40 "
14	"	"	"	30	and 35 "
8	"	"	less	than	30.

The unevenness in the sizes of the classes which is shown in this statement is to be regretted, but it is difficult to prevent it without sending children away from the schools which they would, from neighborhood reasons, desire to attend, to others more remote. This unevenness in the sizes of classes is one of the consequences of having many small schools at short distances from one another. Of course, there is one compensation to the objection just stated. The small classes resulting from this condition are beneficial both to the teacher and to the pupils.

Several classrooms in different parts of the city are vacant and available now for special uses.

School Census. The school census taken this fall has shown an increase over last year in the number of children in the city between five and fifteen years of age. This fact is in contrast to the decrease in the entire enrollment of the schools, and the explanation of the apparent discrepancy can be found in the circumstance that the school census was more efficiently

taken this fall than ever before, and has probably reported some children who were omitted in previous reports. It is probable, moreover, that there has been a greater increase among children of five years of age during the year than of children of the ages found in the school records. These suppositions seem adequate to reconcile the conclusions of the two kinds of enumeration, and to indicate that a larger enrollment of pupils may be expected next year.

According to the school census, there has been an increase in the number of pupils from five to fifteen years of age in Wards One, Four, Six, and Seven. In Ward Seven there has been an increase of 499. The other wards show slight losses.

Schoolhouses. The ordinary repairs which are necessary to the preservation of the schoolhouses have been made during the year, and in the main they are in good condition. They are well supplied with modern, adjustable furniture, and have been well heated during cold weather. Most of them have modern and effective systems of ventilation.

Following a request of this committee, the Board of Aldermen last year made a specific appropriation for the purpose of increasing the window areas in a number of school buildings where the light was below the standard for schoolhouses. As a result, twelve new windows were added to the Prescott Schoolhouse during the summer vacation, and an improvement in the lighting of that building which has long been needed was thereby made. But the other buildings for which more windows were asked still remain unimproved. Their deficiency in lighting is very manifest, and should be remedied without delay. It is difficult to regard any other school condition as more important than lighting. Poor ventilation, insufficient heat, or unsuitable furniture are adverse conditions which can be combated by a teacher who has to endure them, but against insufficient light she has no remedy except, indeed, to stop working, or to go on at the expense of that most valued of all the human senses, sight. Believing that there should be windows enough in all our school buildings to give sufficient light in all the classrooms, I think the School Committee should ask the Board of Aldermen for another grant of money to complete the work already begun. Additional artificial lighting is urgently needed in a number of buildings as a measure of relief until more windows can be provided.

The playground at the Hodgkins School has been graded and surrounded by an iron fence, and is now, with its play equipment, fast becoming a model. Steps are being taken to increase the playground at the Clark Bennett School, where more space is greatly needed. The yard at the Lowe School has been resurfaced and has been put into good condition.

The playgrounds at several other buildings are now, as they have been for years, in excellent shape, while still others are sadly in need of repair. Additional space is needed at several schools. At the Carr School more room to play is needed, and land in the vicinity is available for that purpose. This statement applies, also, to several other schools. As the schoolhouses are to be used for many years, it is a good policy to get additional land for these schools as soon as possible. The additions made to school grounds in the last few years have already proven blessings to the children. By adding each year a piece of available land to one or more school grounds, we should soon reach a time when there would be enough play space for the pupils at all of our schools.

During the year a school building has been added to the list and another has been begun. On the property adjacent to the Carr School, the large double house fronting on Atherton street has been completely remodeled and adapted to the use of a vocational school for girls. It is three stories in height, and has seventeen rooms devoted to the various uses which the work of the school necessitates. The building was ready for occupancy on October 14, and on October 16 it was opened as a trade school for girls.

The building which is now being erected on Powder House boulevard is designed for an elementary school. It will contain fourteen classrooms, besides offices, rooms for teachers' use and for other general purposes. The architect, Walter T. Littlefield, Commissioner of Public Buildings, has furnished the following description of this new structure:—

“The new S. Newton Cutler School building, which was begun in September of this year, and located on Powder House boulevard, near Curtis street, is being constructed with satisfactory progress, and will be completed in time for the opening of schools in September, 1912.

“This building is to be of brick and stone, and when completed will contain fourteen full-size classrooms and the necessary coat-room accommodations adjoining each of these classrooms.

“The building is to consist of three stories and a basement. All of the rooms are to be lighted by the modern system known as one-sided lighting. Each room will be equipped with the latest design of schoolroom ventilation. It is proposed, also, to equip this building with a system of vacuum cleaning. The building is now being constructed as the beginning of a comprehensive plan which, when eventually completed, will provide a building of twenty-four classrooms, and a large assembly hall with a seating capacity of at least 1,200. Sufficient land has been purchased by the city to provide for this extension, and still allow a very liberal space for playground purposes. The



SOMERVILLE INDUSTRIAL SCHOOL FOR GIRLS

11 Atherton Street

section of the building now in process of construction is to face on Powder-house boulevard, and is to be located at a distance of thirty feet from the northeasterly side of the boulevard."

Cost of the Schools. Last January the Board of Aldermen gave \$326,000 for the salaries of school teachers and for the contingent expenses of the schools for the year 1911. The School Board had asked for \$348,259. It did not seem probable then that the expenses of school maintenance for the year could be kept within the amount appropriated, but at the close of the year there is a balance of over \$1,700 in the salaries account, and the appropriation for contingent expenses has not been overdrawn. Several causes have contributed to make this result possible. In the account for salaries several changes in administration were made which resulted in saving, and changes in attendance of pupils, due in part to moving from one section to another, have made it possible to close several classes and save the salaries of several teachers. The effect of these economies has been sufficient to defray the salaries of the new vocational school for girls and to have a balance to the credit of salaries. The expenditures made from the contingent account are shown in detail in a statement to be found in the appendix of this report. This fund has been handled with great care, competitive bids having been secured on large orders and small orders having been placed where lowest terms could be secured, with due regard for quality and reliability of service.

In the search for means of curtailing expenses there is little hope that important savings can be made, either in the cost of supplies or in the salaries paid to teachers. It is possible, however, to make changes in the organization of the schools from time to time which will result in reducing the total cost of their maintenance without reducing their efficiency. Several such changes have already been made and others can be made. Among the latter is the elimination of the ninth grade, which has already been determined.

High School. When the position of head master of the Latin High School became vacant at the end of the last school year, there arose the question whether there was reason for conducting the work of the two high schools longer under separate managements. This question involved many important considerations affecting the general policy of high school development, and these were all given their due weight by the Committee before it reached a conclusion. So important was this whole discussion, both in respect to the policies considered and the conclusions reached, that it seems desirable to state here the main propositions examined and the decision reached upon each,

Administration. As a matter of administration, it would promote efficiency and economy to unify the control of two schools placed as these were so near together as to make of them one student body. Centralization of direction would secure the greatest results from the administrative forces of the two schools, and would reduce waste of effort through needless duplication or from varying methods operating in the same field of action. Hence from this point of view it seemed wise to combine the two schools.

Educational Policy. But several phases of educational significance demanded attention. Would uniting impair the work of either school? Would the tendency be to develop a school of indeterminate character, a large school lacking distinctive individuality? Would the interests of the city be best served by a general high school or by high schools of special types?

Since 1895 the Latin School had given instruction solely in academic subjects, and had fitted pupils for college, normal schools, and other higher institutions of learning. During the same time the English School had taught English and commercial studies, manual training and drawing, the sciences and modern languages, and had fitted pupils for colleges, normal schools, and other higher institutions of learning. The Latin School was a high school of special type; the English was a general high school, including in its curriculum college preparatory work. By a combination of the two schools there would result a general high school, with a large college preparatory course as one of its features. Given the same emphasis and curriculum as before, the work of the college preparatory course should be as successful as was that done under a separate name and management. On the other hand, the work which the English School was organized to carry on would be continued in the new school, as its curriculum would be affected as a result of the union of the two schools only by the enlargement of one of its courses. Therefore it did not appear that the elements of the two schools were so incongruous as to make either suffer by uniting with the other.

High schools of special types exist for the purpose of giving intensive direction and instruction in the courses which the schools offer. So, also, a general high school is able to give intensive direction and instruction in the courses for which it has proper facilities and competent teachers. To get this result, however, the several courses of a general high school ought to be so differentiated and developed as to have a vitality comparable to that of a separate school of the same type. This diversity of courses can be provided if the necessary plans for doing so are made and followed. Again, 1,800 pupils occupying contiguous buildings should be at least as efficiently managed by a given number of instructors responsive to a single

head as they would be by the same number of instructors under two directors. The efficiency of a school is not determined by its size, but by the spirit which animates it, by the character of its instructors and the sufficiency of the number of them, by the equipment of the school and the facilities which it has for doing the work which it undertakes, and by the adequacy and completeness of the plant which the school occupies. When all these conditions are favorable, the school will be efficient, be it large or small.

It seemed from this survey of the situation that a general high school offering all the courses of the Latin and English High Schools would better serve the interests of the community than would the continuance of the separate schools, but another question remained to be answered: Would the interests of the city be better served by the establishment of another high school of a type different from that of either the Latin or the English High School, as, for instance, a high school of manual arts, sometimes called a technical high school, or a high school of commerce, sometimes called a business high school. Such institutions are found in many cities, and perform an important work, dividing the high school attendance with the schools of other types, and affording a training along the lines of their specialty. On one or the other of these grounds their justification as a separate institution must rest. The need of more room for our high school pupils has been most urgent, but such additional accommodations could be given in connection with the present group of buildings, as well as by a separate institution of a new type. Whether, then, Somerville needs another high school, such as a commercial high school or a manual training high school, was the question remaining to be determined. In view of the experience of the English High School, and in view of the fact that industrial schools for both sexes have already been established, it seemed certain that the commercial and manual training, as well as other special subjects, could be developed sufficiently as courses of a general high school, and at much less expense than would be entailed by the creation and maintenance of separate high schools for any of them. This survey of the situation then led to the conclusion that for Somerville a general high school embracing all the courses which the community might demand should be established and maintained with the highest degree of efficiency which the resources of the school would make possible. The School Committee accordingly instituted a new school by the union of the two, and gave it the name of the Somerville High School.

So much having been done, it then became necessary to determine what courses the high school should offer and what steps should be taken to make effective the instruction in those

courses. It seemed wise to take the elements already existing in the two schools as the component parts of courses which the school would first develop. It was decided to group the subjects of the curriculum in such a way as to make these courses as effective and distinctive as would be the case were they maintained in separate high schools. It was recognized, also, that a school as large as the new school would present problems of its own, the chief of which would be to bring each individual of the membership of the school into close personal and sympathetic relationship with the work of the school. It was determined, therefore, for both of these reasons, so to organize the forces of the faculty as to provide both for the thorough disciplining of the school and for the effective bringing to every pupil the particular service which the school ought to render to his needs. To meet this aim, a plan of organizing the faculty was adopted by the Board, and has been in operation since the first of September. This plan is intended to secure sufficient differentiation of courses, to provide thorough supervision of the instruction of all the courses taught in the school, to encourage educational initiative among the members of the faculty, to provide a means for bringing every pupil into close relationship with the life of the school, thereby minimizing the danger of his being lost in the crowd of a large school, and to provide sufficient and competent leadership both in the educational and administrative interests of the school. This plan has only begun to show its effect. It is believed that it provides a means of far-reaching benefit to the future life of the school. Concerning the effectiveness of the plan, both for the present and the future, I am glad to give the opinion of the head master of the school, John A. Avery, who was active in making and recommending it for adoption:—

The High School, Somerville, Mass.,

December 21, 1911.

Mr. Charles S. Clark,

Superintendent of Schools,

Somerville, Mass.

Dear Sir: At your request, I am pleased to present the following report of the reorganization of the high school with plans for future development. On my election in June, 1911, to the head of the combined high schools, the problem devolved of uniting two highly developed schools of widely differing purposes into one organization, with the avowed intent, however, that neither should suffer, but rather that both should profit by the arrangement. The problem has been naturally a difficult one, and has required the consideration of many matters of detail, among them the following:—

One School. The determination on the part of the Board that the old lines of distinction between Latin and English Schools should be entirely obliterated, and that the new organization should be *one* school, in fact as well as in name, was a decided preliminary advantage. In the construction of the programme, therefore, the work of the teachers was rearranged to give the greatest efficiency for all; classes doing parallel work were combined; the pupils in the two buildings were redistributed to bring together the combined classes; and the names East and West building were adopted to supersede the names Latin and English building. These mechanical means have proved a large factor towards securing a successful union of the schools.

Administrative Organization. To facilitate the government of so large a school and to assist the head master in the many minor administrative and disciplinary details, a board of administration was created, consisting of the three masters of the two schools, Mr. Tuttle, Mr. Hawes, and Mr. Murray. The execution of the details of organization, the treatment of serious cases of discipline, the organization of a plan for the supervision of the various parts of the buildings and the adjacent grounds have been placed in the hands of this board. The untiring energy, the hearty unanimity, and the extreme helpfulness of the men constituting this board have proved, even in so short a time, the wisdom of their selection and the value of their organization.

Educational Supervision. The educational development of the school was, of course, taken under serious consideration. The Latin School has for years been famed as a fitting school for college. The English School, though equally successful in its preparatory courses for technical and normal schools, has stood primarily for training of a more utilitarian character, sending many of its graduates immediately into business and the trades. That none of these purposes should in the slightest degree be sacrificed, a board of supervision was formed to have charge of the various courses of the school. A preliminary division into preparatory, general or academic, manual arts, and commercial courses was authorized, and three men from the school, Mr. Sprague, Mr. Hatch, and Mr. Jones, were selected to take charge of the first three. A head for the commercial course has not yet been chosen. This board has already organized, and has decided upon initial policy of action. The needs and aims of each course are being carefully considered, and recommendations of changes and additions to secure well-developed and effective courses will be made from time to time. The possibilities of such a board are large, and its in-

fluence will be broad. Its purpose is not only to preserve the entity of different courses, to develop them along lines of the greatest value to the community, and to secure correlation between the varied subjects taught in them, but also to preserve a sane balance among the various educational lines of activity in the school. I take great pleasure in stating that this board is approaching its problem with a broad view and an earnest purpose, and I feel sure that under its ministration the scholastic side of the school will be ably supervised.

Departments. The different departments, such as English, History, French, etc., have been placed under the charge of leaders in their respective subjects, and plans for reorganization and systematic and uniform methods of treatment have already been put into operation.

Arrangement of Time Schedule. The restricted school accommodations made it necessary to continue, with modifications, the alternate session plan used last year in the English School. The arrangement this year comprises a session from 8 to 1 for the three upper classes, from 1.15 to 4.30 for the first-year class, with added recitations for the first-year class during the last two periods of the morning session, as the exigencies of the programme demand. That the plan is not ideal is undisputed; that it is the only one essentially available for the accommodation of a school of 1,800 in buildings planned to seat 1,200 is certain. Untiring effort and the sacrifice of personal comfort on the part of teachers and pupils alike have been the main factors which have made this plan workable.

Advisory System. That the needs of the individual pupil may not be lost sight of, the advisory system formerly in use in the English School has been adopted. To each pupil a teacher-adviser is assigned, whose duty will be to keep informed of the work done by the pupil, to consult his individual needs, to recommend the selection of courses and studies to meet best his requirements, and in general to give tactful and helpful advice wherever needed.

General Activities. Believing that the average boy and girl of high school age requires the added interest of activities along lines other than those of study alone, I have encouraged the formation of societies with definite purposes. There are already successfully organized two debating societies, a girls' dramatic club, two orchestras, and a boys' glee club. Due attention has also been given to the school paper and to the control and development of athletics.

The Needs of the School. The belief that a high school should limit itself to the encouragement of scholastic attain-

ments alone is fast disappearing. Schools are everywhere awaking to the thought that moral, social, physical, and vocational development are alike important and in fact mandatory. To make our school normally equipped to meet the exacting requirements of its present needs, and to secure future development along the lines in which it is now lacking, I would earnestly recommend the following for consideration:—

(a) Additional building to relieve the present extremely crowded condition.

(b) A hall in which large groups of pupils could be gathered. Such a hall would give opportunity for talks on ethics, citizenship, business, and general topics of interest. The social activities of the school could also be carried on here under proper supervision. The value of such an auditorium in securing uniformity of conduct, the development of school spirit, and the encouragement of co-operation between the home and the school cannot be over-emphasized.

(c) The proper treatment of physical development and hygienic living is lamentably lacking. A gymnasium, physical instructors, and lectures on hygiene and health are extremely necessary, and should receive immediate consideration.

(d) A thorough revision of the curriculum of the school, with a view to the development of well-defined and differentiated courses, together with the installation of the equipment necessary in the treatment of a broad selection of subjects, should be brought about in the near future.

(e) A vocational bureau should be organized to investigate the peculiar needs and tendencies of the individual pupil and to assist him in finding suitable employment.

The Outlook. The school as reorganized is undisputably strong in the following respects: (1) Competent and progressive leadership in matters relating to administration and supervision; (2) able instruction from a corps of skilled and united teachers; (3) a curriculum which offers a wide range of selection, together with a convenient and economical means of changing from group to group if the needs or individual fitness of the pupil requires it.

With proper building facilities, therefore, the school, I firmly believe, is in a position to enter upon a period of expansion and progress which will speak well for its future value to the community.

Assuring you of my personal gratitude to the Superintendent and the School Board for their invaluable assistance, and to the teachers and pupils for their hearty co-operation and loyal support, I remain,

Sincerely yours,

John A. Avery,

Head Master.

I am in hearty accord with the views expressed by Mr. Avery, and I think that he has stated fairly the disadvantages under which the school is conducted, and has only modestly characterized the good work which it is doing despite them.

High School Accommodations. It has long been known that the accommodations in the high school buildings were insufficient to provide room either for the large attendance of pupils or for the proper expansion of several of the departments of the school. In 1895, the year in which the English School building was completed and occupied, the report of the School Committee contained a recommendation that a building be provided for manual training, and that recommendation stands to-day as an unfilled need. From time to time request for more room has been made by the School Committee, until in 1910 the plan of dividing the schools into sections for alternate attendance was again adopted as a relief against overcrowding, and it is now in force. As this plan must remain in operation until more room is provided, it may be advisable to discuss the situation for the purpose of making clear why the present plan is in force and what must be done to remove it, either in part or in whole.

The two buildings have in round numbers a seating capacity of 1,200 pupils, 500 in the West building and 700 in the East building. More than 1,800 pupils have been enrolled at one time since September. The freshman class, numbering more than 600 pupils, has been required to attend an afternoon session, but as the day is not long enough to give two daily sessions of sufficient length in succession, the afternoon class has had to arrive at school before the morning session closed, thereby producing an overlapping of sessions. This overlapping, though necessary, has entailed consequences of an undesirable character entirely additional to and separate from the objections which might otherwise be found to an afternoon session. They have made the most trouble both for the management of the school and for the parents of the pupils who attend in the afternoon.

The remedy for these conditions is more room. To determine how much more room is needed, it is necessary to analyze the conditions upon which an answer must depend.

Every high school has need of two kinds of rooms; first, rooms in which there are desks and sittings for pupils who are engaged in study, and second, rooms for reciting or laboratory rooms. The ideal condition being to have a sitting for study purposes for every pupil and to have sufficient accommodations for recitations, and laboratory work besides, it follows that, to provide that condition for more than 1,800 pupils, without any use of the afternoon session plan, there would be required over 600 sittings more, and rooms for laboratory work and for reci-

tation purposes. Under the head of laboratory work is here included manual training, domestic science, and domestic art, as well as chemistry, physics, biology, business practice, etc. In addition to these accommodations, an assembly hall, physical exercise rooms, a room suitable for serving luncheons to pupils, and alterations in the present buildings, including a three-story passageway between the two, would be needed. To provide all of these at one time would call for a large outlay of money, and would probably necessitate the building of two additions to the present plant, the grouping of the present structures and the shape and slope of the land surrounding them being such as to make it practically impossible to erect one addition large enough to include all.

Confronted by all these conditions, with requests for additions to the high school building unheeded for many years, the School Committee has again stated the need and asked for relief. It has asked for a building large enough to provide an assembly hall of sufficient size for the needs of the school, rooms for physical exercise, for serving luncheons to pupils, for domestic science and study rooms. Such a building, with alterations in the other buildings, should provide seats for approximately 500 pupils. Such an increase in the number of sittings would provide accommodations for the present enrollment, if coupled with a modified plan of afternoon sessions. Moreover, the addition of the proposed building would not interfere with the addition at any time of another building at the rear of the westerly end of the West building, to contain additional study rooms and an equipment devoted to manual arts subjects.

If the community is opposed to the continuance in any form of the plan of afternoon sessions as a measure of economy, then both buildings will be needed before this plan of alternate attendance can be abandoned.

In connection with the consideration of the subject of high school accommodations, a careful examination has been made to find out how the high school pupils are distributed by residence over the city. For this purpose the enrollment cards of all the pupils were inspected, and the number of pupils living on each street of the city was ascertained. The facts were then grouped to show the number of pupils living in the large areas indicated in the following statement:—

Number of pupils living east of School street, including School street, bounded by Temple, Dane, Calvin streets and Smith avenue.....	749
Number of pupils living west of School street, to and including Cedar street and Mossland street.....	495
Number of pupils living west of Cedar street, to and including Willow avenue	217
Number of pupils living west of Willow avenue, not including Willow avenue.....	346

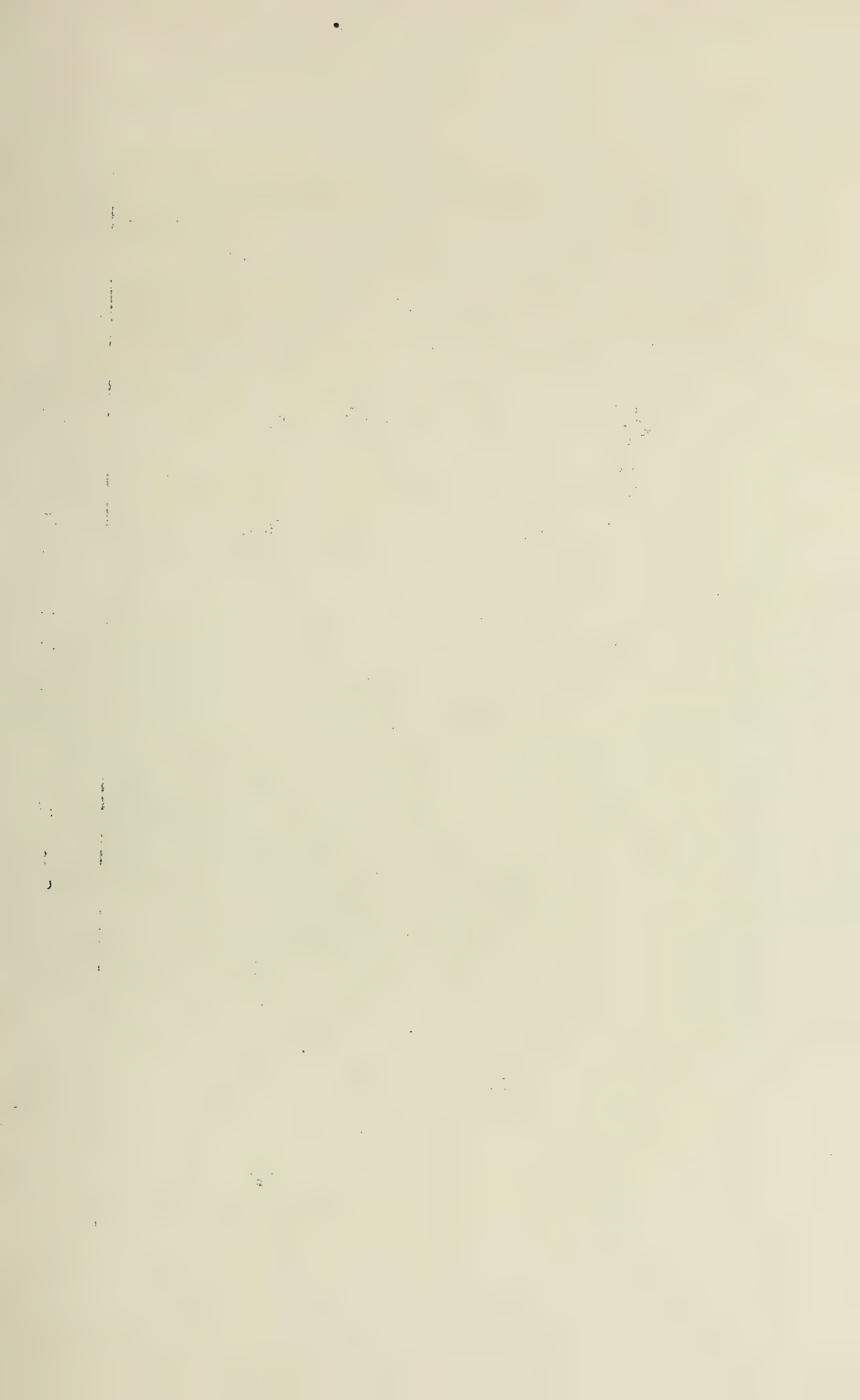
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State-Aided Vocational Schools. In pursuance of plans which had been under consideration for more than a year, a trade school for girls was opened on October 16 in the frame building at 41 Atherton street, which had been remodeled and prepared for that purpose by the city government. A principal and corps of five teachers were provided, and there was an immediate enrollment of over fifty girls. The school has been running only two months, but it is already well organized and is doing well, when all the difficulties incident to beginning an enterprise of such a character are considered. The principal, Miss Mary Henleigh Brown, is very enthusiastic and energetic in her efforts to provide for the needs of the girls and young women for whom this school is intended, and with the assistance of the corps of strong teachers who have been selected to aid her, she will develop a school of marked usefulness. Her report upon the work already accomplished and upon the plans which are to be followed in the future will be found in the Appendix, to which I invite your attention. The first steps towards securing the approval of this school by the State Board of Education have been taken, and others will be taken in due time and order, with the expectation of securing approval.

The Industrial School for Boys has had a successful year, and is improving in efficiency all the time. It has seemed wise to devote the energies of the principal and his assistants to developing a sound course of work and a sound practice of work during the early experience of the school, rather than to expend them upon exploiting the school for the sake of increasing attendance. This course has resulted in giving a thorough training to the boys in the school, and in enabling the teachers to get possession of a method and of a body of work and study which will give certainty and confidence to their future efforts. I commend this school to the confidence of the Board and of the citizens of the city. Elsewhere will be found an interesting report upon the work of the school written by the principal, E. Minor Morse.

In view of the fact that the School Board is conducting two vocational schools in co-operation with the State Board of Education, it is pertinent and appropriate to quote from Bulletin of the Board of Education, 1911, Whole Number 3, just issued, certain statements concerning the establishment and aims of state-aided vocational schools:—

“Various types of vocational schools are contemplated by chapter 471 of the Acts of 1911, all of which may become eligible to receive financial assistance from the commonwealth under the conditions described above. What will here be called the all-day vocational school is one designed to give practical training in suitable fields of agriculture, industry, or





CLASS IN DRESSMAKING
Somerville Industrial School for Girls

household arts to pupils over fourteen years of age, who can give practically their entire time to school attendance. Part-time schools or part-time classes are designed to give to persons from fourteen to twenty-five years of age, who are already engaged in useful occupations, and who can therefore give but a portion of their time to the school, such training as will, when taken in conjunction with the practical experience acquired in the occupation, result in increased vocational efficiency. Evening vocational classes, like part-time classes, are designed to provide persons already employed with suitable training supplementing and reinforcing the experience acquired in the vocation followed. Persons under seventeen cannot, under the law, attend evening classes of the kind here described. Any or all of the foregoing types of education may theoretically be found in one or more of the large divisions, namely, agricultural, industrial, and household arts—of vocational education contemplated in the above-mentioned statute. A large school, planned to meet the diversified needs of a densely-settled section of the state, will probably provide classes for all-day, for part-time, and for evening pupils.

THE ALL-DAY VOCATIONAL SCHOOL.

“The all-day vocational school, contemplated by the terms of chapter 471 of the Acts of 1911, differs from the ordinary public or private school in that its controlling purpose is to fit its students in greater or less degree for certain forms of profitable employment in agriculture, the industries (manufacturing and mechanical pursuits), and the household. Vocational education for the professions, for commercial pursuits, and for maritime callings is not comprehended within the provisions of the above statute.

“The type of vocational schools here described differs in several important respects from the higher technical institutions training towards leadership in agriculture, the industries, and the household arts; the work is distinctly below college grade. The pupils may enter at fourteen years of age, and without having had a general secondary or even the last grades of an elementary education, and the controlling purpose is to prepare for efficient service in the wage-earning callings and for development through this to positions of leadership, while at the same time ministering to civic training. Schools giving education of this character may well be called secondary vocational schools.

“The elementary school bears, in general, the same relation to the day vocational school that it does to other secondary schools, except that under the law graduation from the elementary is not essential to admission to the vocational school. But the vocational school is no more intended for

naturally backward or defective children than is any other school. If youths of good working habits and native aptitude for mechanical or other concrete work have not finished the elementary school, it is nevertheless assumed that they will succeed in the vocational school, and such children should be encouraged to enter the vocational school at the close of their fourteenth year, rather than to discontinue all schooling, which, as is well known, is the prevailing tendency. But, as stated before, probably the largest attendance on the all-day vocational school will and should come from those who, having finished the work of the elementary school, are impelled by desire or circumstances to turn their attention to preparation for some mechanical vocation. To these, naturally, the general high school or even the technical high school does not and should not appeal.

"The development of all-day vocational schools will be found to result not in a diminished attendance on the high schools, but rather in a net increase of young persons over fourteen years of age in all schools taken together, since the vocational school will draw largely from the very large number—often far more than a majority—of children who have in the past ceased all school attendance as soon as the laws governing compulsory attendance have permitted. As vocational schools develop, an intimate and harmonious relationship between them and elementary and high schools will be found, resulting in their efficient co-operation in serving all the educational needs of the community."

Summer Playgrounds. For the second time summer playgrounds were conducted by the School Committee, an appropriation of \$1,600 made by the Board of Aldermen having been placed at its disposal. For the second time, also, this work was carried on in close partnership with the Somerville Playgrounds Association, which had raised for this purpose a sum of \$1,500. These resources were expended in pursuance of a single plan which had been adopted to secure the largest return from the money at the command of the two organizations. In this way waste was avoided, and much more was done than could have been accomplished had the city appropriation been spent without reference to the co-operation of the Playgrounds Association. It was early decided to use a part of the public appropriation for permanent equipment of playgrounds, a part for perishable play materials, and the rest for supervision, and to use a large part of the association's fund for supervision. Accordingly a certain proportion of the joint funds was devoted to providing supervision and play instruction, and a certain proportion to play equipment and materials.

A general director was provided to have charge of planning the equipment and management of all the grounds, and

Leslie O. Cummings was chosen for this position. As an assistant to him, Miss Elizabeth M. Collins, principal of the Hanscom School, was engaged to develop and supervise the activities of all the playgrounds for girls and small boys, and Miss Claire S. Wyman was made assistant director of girls' grounds. Two women instructors were provided for each playground for girls, and one man for each playground for boys, with one man extra for general use. Before the middle of the season another man was employed and assigned to Lincoln Park, and the extra man was assigned to City Field. This force was well disciplined, and worked in accordance with carefully-formulated plans. It proved to be very enthusiastic and highly efficient. Nine playgrounds were maintained, six for girls and three for boys.

It was decided to place permanent equipment in school yards, first, for the reason that these were protected by fences, and also that the equipment might later on be available for the school children at recess and other times. The things which it was thought best to get at first were swings, teeters, basket ball standards, baseballs and bats, and a variety of play material. A very favorable opportunity was found for buying standard iron piping, and enough was bought to set up four frames, which were designed by Mr. Cummings, each frame to support nine swings and six teeters. Early in July one of these frames was erected under Mr. Cummings' direction in the Hodgkins School yard, and another in the Perry School yard. The cost of these frames and of erecting them was met out of the school appropriation, and was far below the commercial price for the same class of equipment and work. In the same way the other permanent play material was made and put in position at the lowest cost. The standards for basket ball, the boards for teeters and swings, and the sand boxes were all made at the Boys' Industrial School. It had been planned to erect the remaining two combination frames in school yards, but as the season advanced it became apparent that they could give service to the greatest number on Lincoln Park and on City Field, and they were put up in those places, the city engineer taking charge of the installing and paying for it.

All expenditures from the city fund were made by the Superintendent of Schools acting as secretary for the School Committee, and an itemized account thereof is given in the appendix.

The conduct of the playgrounds this season was much in advance in efficiency of that of last year, as it should have been. It not only produced good results during the summer, but it laid down principles to be followed hereafter, and it gathered and recorded experiences which will be of the utmost value another year. As this work has been in a sense pioneer work,

I deem it of sufficient interest to the public to justify printing a rather full report of the plans and activities of the playgrounds, which has been prepared at my request by the directors.

As a closing remark on this topic, I wish to record my belief that this enterprise was worth the effort and money expended upon it. As play has always in the history of the human race been the forerunner of work, it may be that summer playgrounds will prove to be but the forerunner of a summer work or education which will afford better occupation for children forced to stay in the city than weeks filled only with idleness and temptations to mischief.

Dental Dispensary. The work of the dental dispensary has been carried on during the year at the Proctor School with the continued co-operation of the dentists of Somerville. Through its ministrations 225 children have found relief from dental troubles or have had treatment which otherwise they could not have secured. Twenty-seven dentists were in attendance during the year, and five young ladies volunteered to take charge of the administrative work connected with the conduct of the dispensary. Great credit is due all of these workers for the service which they have rendered to the children. It is fair to them to say, however, that they render this service appreciating that it covers only a small part of the work which ought to be done. The work of the dispensary has been supplemented this fall by talks given in the classrooms of the elementary schools by the women members of the School Committee. As a result of these talks, teachers have been supported in their efforts to inculcate care of the teeth, and the purchase and use of tooth brushes by the pupils have been greatly stimulated.

While the services of the dental dispensary are free to children who cannot afford even a small fee, it was thought to be the best policy to have a nominal charge for each kind of work undertaken. As a result of this policy, there has just been added to the equipment a dental engine and several appliances which will be paid for from the funds accumulated from the fees. While it is in no sense an aim of the dispensary to make money, it is worth mentioning that it has been self-supporting in all particulars other than service and equipment.

Truancy. As will be seen by consulting the statistics relating to truancy which form a part of this report, the work of the truant officer has been prosecuted with vigor. Whether it is due to increased vigor on his part, or whether it is due to the conditions themselves, the fact appears that a larger amount of truancy is shown for 1911 than appeared last year. Two hundred and fifty-two were truants for the first time this year, over 100 more than were reported last year. The num-

ber of girls, also, who were truants is larger this year than was the case last year. These facts suggest the need of a more effective control of truancy than we are now able to have. One active truant officer for a city as large as the city of Somerville is a very small provision. In view of the increase in the number of truants and of the increase in the number of girls who are truants, I think it would be well to have as an assistant to the truant officer a woman, whose duty it would be to follow up cases of truancy and absenteeism among girls and small children, especially. Such a woman could act, also, as a home visitor to investigate cases of absence due to neglect or indifference. She could render valuable service in visiting the homes to follow up the treatment of children who were excluded because of certain minor contagious diseases. It is by no means an untried experiment to have a woman as a truant officer, nor is it a new proposition to have performed by a woman home visitation and follow-up work. I think a woman having the needed qualifications could render valuable service to the schools in the prevention and reduction of unnecessary absence.

Work of the Schools. The educational doctrine which is being most insistently urged at the present time is that the schools must find each individual pupil, discover his needs, and provide for them. No longer is education in the mass deemed sufficient. Differences in capacity, in aims, in health, in probable duration of school attendance must all be taken into account, and the activities of the schools modified in consequence of them. Vocational education, retardation and acceleration, classes for exceptional children, open-air classes, and differentiation of courses in the elementary schools after the sixth or seventh grades are all phases of this general doctrine, but are the phases which are now receiving the most emphasis. Along with the discussion upon these questions there is heard the ever-present criticism that the schools are attempting too much and that they are teaching nothing well enough. Each of these propositions contains truth, and, taken separately, commands attention, but as a basis for a plan of action for the schools it is necessary to consider them in their relation one to another, and to seek so to progress as to hold all the good which has already been attained, and to add to that whatever will give greater efficiency to the work of the schools.

Certain movements have been under way in our schools during the year which have close relation to the educational doctrine under consideration. Twice within this period promotions have occurred at half-yearly intervals. As a result of these semi-annual promotions, a process of re-grading has been commenced which has had the immediate effect of helping

some to a better place in the scheme of grading, and which will give as time goes on such flexibility to the grading as to make it possible more generally to advance pupils according to their individual characteristics. Two special classes have been in operation, an atypical and an ungraded class. Both of these have proven valuable. More classes of each kind are desirable. Two industrial schools have been in operation, and have added to the opportunities for individual preference. The work in drawing in the elementary schools has been re-planned and vitalized, and a beginning has been made in domestic science. An advance has been made in the contribution which an outdoor recess may give to the health and happiness of school children, and the interest in their physical welfare has been stimulated. In these ways the process of differentiation has been going on, adapting the school work more closely to individual needs. But the bulk of the school activity, however, has been the teaching in the elementary schools of the so-called essentials, and in the high schools in the giving of thorough instruction in the various courses which are there offered. The character of our teachers and the spirit of our schools have insured all along the line insistence upon those rules of personal behavior whose observance promotes morality, health, and good conduct as members of the school organization and as young citizens. So as the year draws to a close the review shows sound progress, with the educational forces in a condition strong enough to make the advances which ought to be made.

Course of Study. The courses of study in use in the elementary schools have been divided to correspond to the semester plan, but neither the content nor the amount of requirement has been altered materially. As the experience of the year has disclosed some needs of readjustment, and as several of the courses would be improved by reorganization, further revision should be made. In the high school there is opportunity for making new curricula for one or more of the courses, so that they shall present groups of studies better adapted to the needs of many pupils than the present courses are.

Changes of Teachers. The service lost nineteen teachers during the year, two by death and seventeen for various reasons. Of the latter, seven were married, four secured positions offering larger salaries, and six left either to enter other occupations or to devote their time to leisure and study. There remain with us, however, many who have long been in the service of the city. Of these, there are those who are the peers of any who have left to secure better salaries elsewhere. Their remaining in our schools is much to the advantage of the

schools, and not at all an indication that the best teachers are all leaving us. Those who remain deserve at least this recognition of their ability and devotion to the schools of our city.

The most significant change in the corps of teachers was occasioned by the resignation of George L. Baxter, who had been head master of a Somerville high school for more than forty years. His decision to surrender the position he had so long held came as a shock of surprise. It was followed by such a demonstration of appreciation and friendship from teachers, School Committee, and citizens as would have turned the head of a lesser man. Constrained, however, to accept his resignation, the School Committee paid him such tribute as it could to express its appreciation of his worth as a man and a teacher. In his going from the schools an influence was withdrawn such as it will be difficult to duplicate. Modest and unassuming, but sympathetic and able, George L. Baxter was a teacher of the very highest type. Long may he live to be an example to our youth and a friend to all of us!

During the past year death has taken from their posts of duty two of the teachers. Mrs. Emma B. Jones, for many years a teacher in the primary grades, was stricken with illness in the early spring, and passed away on May 27, 1911. A faithful and kind-hearted teacher, she had been a benefactor to many children during the years of her service. Miss Annie E. McCarty, after an illness lasting only two days, was called from this life on November 15, 1911. For nine years she had been principal of the Clark Bennett School, and before that time had been for a number of years principal of the Jackson School. During her long period of service Miss McCarty was a conscientious worker, and exercised a powerful influence in the neighborhood where her school work lay. Her service to the pupils was rendered not only in the work of her school, but also in her deeds of kindness and good will performed outside of school and as the outworking of a compassionate regard for those in need. She did much to make the Clark Bennett School an agency for the betterment of social conditions in its vicinity. Her memory will long be held in respect by all those who knew her.

Teachers' Salaries. The salaries of teachers are the largest element in the cost of the maintenance of our schools, as they are in the schools of other communities. They represent the chief inducement which a community holds out to attract men and women to the service of its children. They also are the measure of the reward which the community gives to those who are working in its schools. As a magnet or as a reward, the sufficiency of a salary for a teacher is measurable by the same standards as are applicable to other lines of work. In the distribution of workers among wage-earning vocations a

process of classification goes on whereby there enter each vocation persons who are willing to meet the exactions of the calling for the sake of the pay which it offers. Hence an occupation which has difficult requirements must compete on even terms of payment with other occupations making equal demands, or else suffer the loss of the kind of workers which it ought to have and be content with that which it can get. In the latter event, the service would inevitably be inferior. A commercial business could not survive on such a basis as this. By the same token a non-competitive enterprise would fail to serve its legitimate aim if it worked on such a basis.

Now in a large sense teaching is not a competitive business. In this business meaning of the term competition is not conducive to the best in teaching. Being largely a spiritual office, teaching should be performed by one whose soul is not exasperated by too close attention to the commercial aspects of his vocation. But the calling of a teacher sets up such high qualifications for those to attain who would enter it, and prescribes limitations so inviolable upon them when once they enter, that the pay for teaching must be equal to that given in business to the same qualities, if teaching is to continue to attract men and women of the right quality and attainments. What kind of a person does society want in the teacher's place? The law used to say that the teacher stood in loco parentis, in the same relation to the child as his parent, inferentially, equal to his parent. But this wise maxim did not cover ground enough. Society thought well enough of the teacher to let him stand in the place of thirty, forty, or even fifty parents, not to say double that number of them. Such a definition of the status of a teacher would certainly seem to fix beyond dispute the contention that the highest qualities of heart and mind are needed in the person of the teacher. Modern conditions have added to the common law maxim. To-day the teacher must stand in the place of very wise parents. Society at the present time is turning to the schools to remedy many of the ills which beset it and to prevent many which it fears. This new attitude on the part of society places new responsibilities on the teacher, for the schools can never do more than the teachers are able to give in response to the demands made upon them. Therefore, it is plainly necessary to attract to the service of the schools workers who can do what the schools are called upon to accomplish. The main inducement to attract such persons into the vocation of teaching will be, in the future, salaries which will enable them to meet the demands of life under modern conditions of increased cost of living. And those salaries will be larger than those paid by most communities at the present day. Such being the appearance of the matter as it relates to attracting persons into the vocation of

teaching in the future, the conclusion is just as valid that teachers already in the service are entitled to a just reward for the work which they are doing. Our elementary teachers have shown that their pay has made a very small advance over a long period of years, and they are asking that they be given more. They are entitled to, and I am sure they will receive, a sympathetic hearing. As the city cannot afford to reduce the quality of the service which it exacts for the benefit of its children, it should reward as well as it can those who do the work which it requires. That this has always been the purpose of the city cannot be questioned, in view of all the facts in the case. That an increase of pay must soon be made if the city is to live up to this purpose in the future, as it has in the past, is equally certain. Therefore, I hope that provision can be made in the near future to reward and encourage the elementary teachers by adding to the salary which has become too small either to be a measure of the value of the service which good teaching renders the city or to be a sufficient earning to safeguard them from anxiety or want.

Conclusion. This review of the work of the year is necessarily incomplete, inasmuch as a full and sympathetic account of all that has been done and planned by School Committee and school workers would make an account too long for the proper limits of this report.

The work of the year has been arduous for the School Committee, as new problems of a difficult nature and of far-reaching importance have been considered and decided. The teachers, also, have had to adjust themselves to conditions somewhat altered, as the result of changes which the School Committee inaugurated. Their response has been prompt and loyal. They have rendered whole-hearted service, and have made a success of that which the Committee has planned. It is very gratifying and it is a reason for just pride that these difficult undertakings have been accomplished efficiently and with entire harmony of feeling. His Honor, the Mayor, the Board of Aldermen, and the various city officials, also, have co-operated in the fullest manner with the school department, with an earnest desire to promote in every way possible the efficiency of the schools.

As recommendations for adoption I bring together here, in closing, the needs of the schools which I have discussed in this report. They are:—

Additional accommodations for the high school.

More windows in several school buildings.

More artificial lighting in rooms insufficiently lighted.

Increase in the pay of elementary teachers.

Purchase of parcels of land to increase playgrounds of several schools.

Proper surfacing of the yards of several schools.

Further revision of the courses of study in high and elementary schools.

Extension of special classes in elementary schools.

Extension of the manual arts course in the high school.

Extension of the work in domestic science in the high school.

Employment of a woman as assistant to the truant officer and as school visitor.

To the members of the School Committee I give sincere acknowledgment and thanks for their active interest in the work of the schools, and for their unfailing assistance and support in all of the work of the year.

Respectfully submitted,

CHARLES S. CLARK,

Superintendent of Schools.

December 22, 1911.

At the meeting of the School Board held May 29, 1911, the following notice was given:—

The Superintendent of Schools announced the death on Saturday, May 27, of Mrs. Emma B. Jones, teacher of the first grade, Hanscom School.

At the meeting of the School Board held December 22, 1911, the following resolution was adopted:—

Resolved: That in the death of Miss Annie E. McCarty, we, the School Board of Somerville, suffer the loss of a faithful teacher; one who for many years continued in service as a teacher in the Prospect Hill School, principal of the Jackson School, and principal of the Clark Bennett School since that school was opened. Miss McCarty took a deep interest in her school work, and was a constant adviser and friend in the many families represented in her school. She was esteemed and loved by us all and by the many people who were blessed by her ministrations and her unfailing good cheer.

Resolved: That the deep sympathy of this Board be extended to her family.

Resolved: That these resolutions be made part of the records of this Board, and a copy thereof be sent to the family of the deceased.

SOMERVILLE TEACHERS' ASSOCIATION.

OFFICERS, 1911-1912.

President, George I. Bowden.

Vice-President, Elizabeth M. Collins.

Secretary-Treasurer, Irene Vincent.

Executive Committee:—

Superintendent Charles S. Clark, ex-officio.

Roy W. Hatch, High School.	Mary Henleigh Brown, Industrial
Natalie A. Smith, High School.	School for Girls.
Elizabeth M. Warren, Prescott.	M. Edna Merrill, Forster.
E. Minor Morse, Industrial School	Elizabeth J. O'Neil, Bingham.
for Boys.	Katherine Pike, Carr.
Mattie L. Littlefield, Hanscom.	Grace S. Russell, Morse.
Nellie F. Eaton, Bennett.	Ardelle Abbott, Burns.
M. Edith Callahan, Knapp.	Abigail P. Hazelton, Durell.
Mary E. Mullin, Perry.	L. Margaret Potter, Proctor.
Mary G. Blackwell, Baxter.	Annie G. Smith, Brown.
Daisy W. Cushman, Cummings.	Frank W. Seabury, Highland.
Blanche G. North, Pope.	Annie H. Hall, Lincoln.
Ella H. Bucknam, Bell.	Luanna B. DeCatur, Hodgkins.
Alice W. Cunningham, Edgerly.	May E. Small, Lowe.
Louise V. Richardson, Glines.	

The meetings held under the auspices of this association in the year 1911 were as follows:—

February 9—Meyer Bloomfield, director of the Boston Vocation Bureau. Subject: "The Vocational Guidance of Youth."

March 16—Will Carleton, author and reader. Social evening.

May 11—Edwin Cortlandt Bolles, Ph.D., D. D., LL.D., professor of English and American History in Tufts College. Subject: "The Ideal Teacher."

October 11—Foy Spencer Baldwin, Ph.D., R. P. D., professor of political economy and social science in Boston University. Subject: "The War of Educational Ideals."

December 13—Ernst Hermann, director of physical education in the public schools of Cambridge, Mass. Subject: "The Growing Importance of Motor Education."

SOMERVILLE TEACHERS' CLUB.**OFFICERS, 1911-1912.**

President, Miss Grace E. W. Sprague.

Vice-Presidents, { Miss A. Marion Merrill.
 { Miss Lucia Alger.

Recording Secretary, Miss Blanche L. Paine.

Corresponding Secretary, Miss Mary S. Richardson.

Treasurer, Miss Elizabeth M. Warren.

OBJECT.

The object shall be to secure a close union among the women teachers in Somerville; to promote the spirit of mutual helpfulness; to advance professional interests; to create a deeper sense of the dignity of the profession; to unite the interests of home and school.

PROGRAMME.

- January 10—Reading of Henry Arthur Jones's play, "The Liars," Professor Thomas Crosby, Brown University.
January 24—Guest night. Mrs. Charlton Black, reader.
February 14—Eugene Field evening. Rev. and Mrs. Ernest C. Herrick.
February 20—Chafing-dish supper. Natalie A. Smith, chairman.
March 14—Musical. "Opera and the Work-a-Day World," Henry L. Gideon.
April 11—Lecture, "Reminiscences of Old Concord and Some of Its Noted People," Mrs. Sarah Hosmer Lunt.
April 21—A play, "Esmeralda," by the club members.
May 9—Annual meeting.
October 10—Musical. Reception to officers.
November 14—Reading, "Polly of the Circus," Ivaloo Pearl Eddy.
December 12—Dramatics. "A Musical Bouquet," presented by members of the club and their friends, under the direction of M. Katherine Davis.

STATEMENT CONCERNING THE SOMERVILLE INDUSTRIAL SCHOOL FOR GIRLS.

On October 16 the Somerville Industrial School for Girls opened at 41 Atherton street, with an enrollment of forty-four girls, coming from both the grammar and high schools of the city, and from near-by towns.

The school occupies a roomy, well-lighted building, and has an equipment necessary for efficient trade instruction in dressmaking and millinery. This consists of specially-made cutting and sewing tables, sewing machines, including one power machine, and electric pressing irons. A Thermal gas heater supplies all the hot water needed, and paper towels and soapators are used throughout the building.

The aim of the school is to give girls between the ages of fourteen and twenty-five as thorough training as possible in the trades of dressmaking and millinery, fitting them for positions above that of the apprentice, and by supplementary training in English, arithmetic, and salesmanship making their advancement more certain; to give them, besides, cooking and household management, and to make them in all ways more capable wage-earners. Later, drawing, as it relates to the practical trade problems, will be introduced. There will also be studies in textiles, industrial history, and economics, and for those girls who seek a fuller knowledge of cooking and serving additional training will be given along the lines of domestic science.

Each trade course covers a period of two years. Attendance is required five days of the week from 8.45 to 4.30, with a noon recess. As nearly as possible shop conditions prevail, and the product of the school is furnished by custom work. A trade standard is required, and those failing to reach that are urged to find other work, that work being found for them by the school whenever circumstances so warrant. Investigation is now being made as to possible opportunities for the girls to earn something while still at school, and for those who are not able to profit by the instruction offered, as it is felt that every girl coming to the school should have the benefit of counsel and aid.

Both the departments are under the instruction of experienced trade women. In dressmaking the girl becomes a skilful sewer while making custom underwear, children's wear, shirt-waists, embroidered and fancy waists, cotton and silk dresses, and evening gowns.

By the millinery instruction the girl becomes a maker. She is taught to make wire and buckram frames, to sew straw, make straw and velvet hats, bands, bows, and trimmings.

English and arithmetic are adapted to the trade instruction



CLASS IN MILLINERY
Somerville Industrial School for Girls

given. The problems of the trade class are worked out with the individual in the business class.

All the girls have cooking, and are encouraged to bring recipes from home to try in class, to estimate the cost of these, plan simple menus, arrange a simple luncheon or dinner, while all the white work is laundered by the girls under supervision.

In the talks on hygiene the girls learn the importance of good health to the wage-earner, the rules necessary to preserve good health, and the labor laws affecting the same. These talks are presented in a simple, practical way in the class, and by advice and suggestions to the individual.

It is proposed to have a summer school of six weeks to give the students the opportunity of additional training, without loss of time: All high school girls and grammar school girls over fourteen are eligible if they can meet the necessary requirements.

It is also proposed to open an evening school next October, offering advanced work in millinery and dressmaking for those already in the trade, costume designing and the making of paper and crinoline models for a special class. There will also be classes in dressmaking, millinery, and cooking for those whose home duties prevent their attendance during the day, and for the young girl wishing to advance by further training in cutting and draping.

REPORT OF THE PRINCIPAL OF THE SOMERVILLE INDUSTRIAL SCHOOL FOR BOYS.

Mr. Charles S. Clark, Superintendent of Schools, Somerville:—

Dear Sir: The following report is intended to embody a statement of facts showing that the aim of the school is being realized:—

As the school will not have been in operation for two years until June, 1912, we have no graduates to whom we may point as examples of our product. But that the school has had no disqualifying effect is shown by the fact that of the eleven boys who did not return in September to complete their course, all but one left to go to work, and seven of them are working at skilled trades either as apprentices or under instruction.

Several boys for whom we found work during the summer vacation at the trades taught in the school gave good satisfaction, and their employers, as a result, are glad to take on all the boys we recommend. Superintendents made special mention of their attention to their work, of their avoidance of freshness, and readiness to do as they were told.

A comparison of the records of one year ago with those of to-day shows a marked contrast, notwithstanding the school was at that time naturally more attractive as a novelty:—

The average attendance, September to December, 1910, was 31.9; and from September to December, 1911, was 35.7.

The average membership, September to December, 1910, was 34.6; and from September to December, 1911, was 40.2.

The membership for the calendar year 1910 was 45, while that of 1911 was 71.

The school is now standing entirely on its merits.

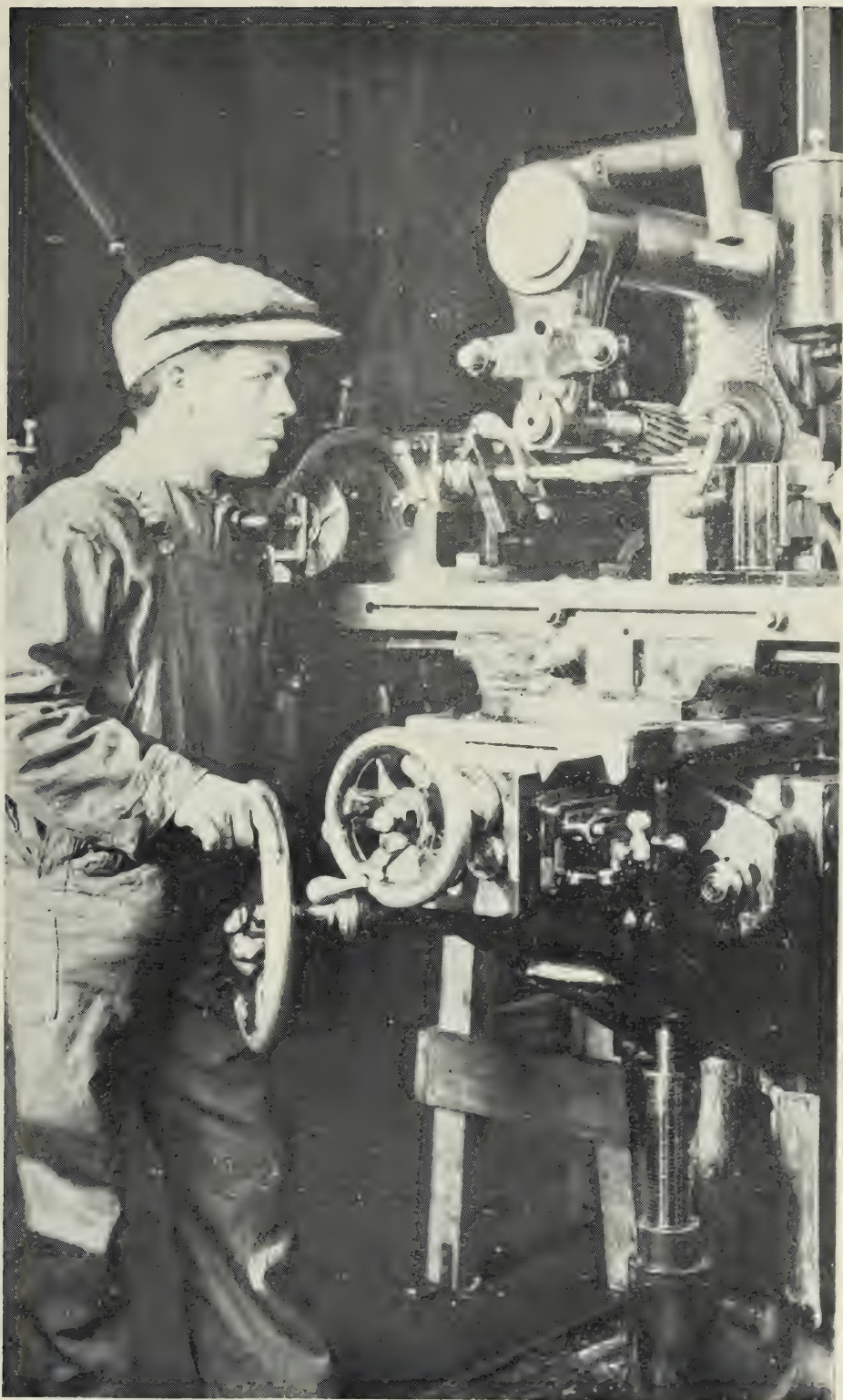
One boy who attended the latter half of last year entered a technical school this fall, and was able to take up the mechanical work at a point somewhat in advance of students entering from other schools.

It is also worthy of note that the boys who come to us from higher grades are more appreciative of their opportunities and more devoted to their work than those who come from the lower grades.

The same is also true of those who receive the encouragement and attention of wide-awake parents.

With the exception of two or three who were *compelled* to go to work, these more fortunate boys have all come back to complete their course. It naturally follows that the membership this year is made up of a better class of boys. We regard these facts as evidence justifying the courses offered by the school.

On the one hand, the boys are not being exploited by the city or any private interest for gain, and they are not wasting



AT WORK ON THE MILLER
Squaring an Arbor for Practical Use, Somerville Industrial School
for Boys

their time in the shop or at study, either in play or in doing unpractical things.

On the other hand, the boys are continually confronted with mechanical, economic, social, and political problems, problems growing out of things to be made for real purposes inside and outside the school; problems growing out of the question of best methods of production; problems growing out of the natural clamor for equal privileges and opportunities; problems concerning the right use of property and privileges.

And the boys are assuming the rational attitude toward these problems. Frank presentation and discussion of every phase of industrial activity and citizenship puts the boys in an attitude of responsiveness.

The affairs of the school, owing to its genuine industrial character, call for the consideration and handling of questions as varied and numerous, and relatively as important as those attendant upon the operation of a regular enterprise.

These matters as far as desirable are brought up in general assembly, in accordance with parliamentary order, and laid open for discussion. Many erroneous impressions are thus removed, occasion for the most convincing and impressive reference to civil affairs, methods, and practices is afforded, a wholesome mental perspective is developed, and the foundation for self-discipline is laid, which is the secret not only of successful government in school, but in city and state as well.

The boys are receiving individual attention and instruction in shop and study department. A boy is given time to catch his stride before he is followed up very closely. When his individuality of interest begins to appear he receives direction and encouragement.

No text-books are used. Lessons are issued on separate sheets, and no effort is made to keep the boys together in progress.

Class demonstrations are given when practicable, in order to save time, but private help is found invariably preferable, and each boy is encouraged to bring his troubles to the instructor rather than remain baffled at any point. Individual environment is carefully considered where it is evidently an important factor in the boy's life. Outside employment, early and late hours of work, lack of parental attention are among the fruitful causes of indifferent progress.

No little part of the preliminary labor of instruction in industrial work is the overcoming of initial prejudices and misconceptions antagonistic to voluntary and self-governed application.

In the industrial school little time can be nor should be given to enforcing attention or supervising conduct. The single incentive to application, accuracy, and rapidity of produc-

tion is the desire of the student to succeed as an employee. The endless importance of this success is brought to the attention of the school and to particular boys in private interviews, as occasion arises. Success as an employee is shown to be the assurance of success in life, not only industrially, but socially, and these ideas are given their familiar and appealing application to the boy's personal affairs.

This motive of the shop is also the motive of the classroom. In fact, the subjects of study must be shown to be of practical value in substance and method of approach, or the interest necessary to "application, accuracy, and rapidity" of prosecution cannot be inspired.

Deportment is also determined by the grasp of this motive of industrial success on the part of each member of the school. Compulsion is effective only as a means of readjusting a boy's frame of mind to his circumstances and prospects, and cannot be depended upon in any degree as a direct method of control.

In short, the school stands upon a utilitarian basis that must be evident to pupils and parents, or it fails. And each aspect of its daily activity and routine must pass the same criticism with the same alternative.

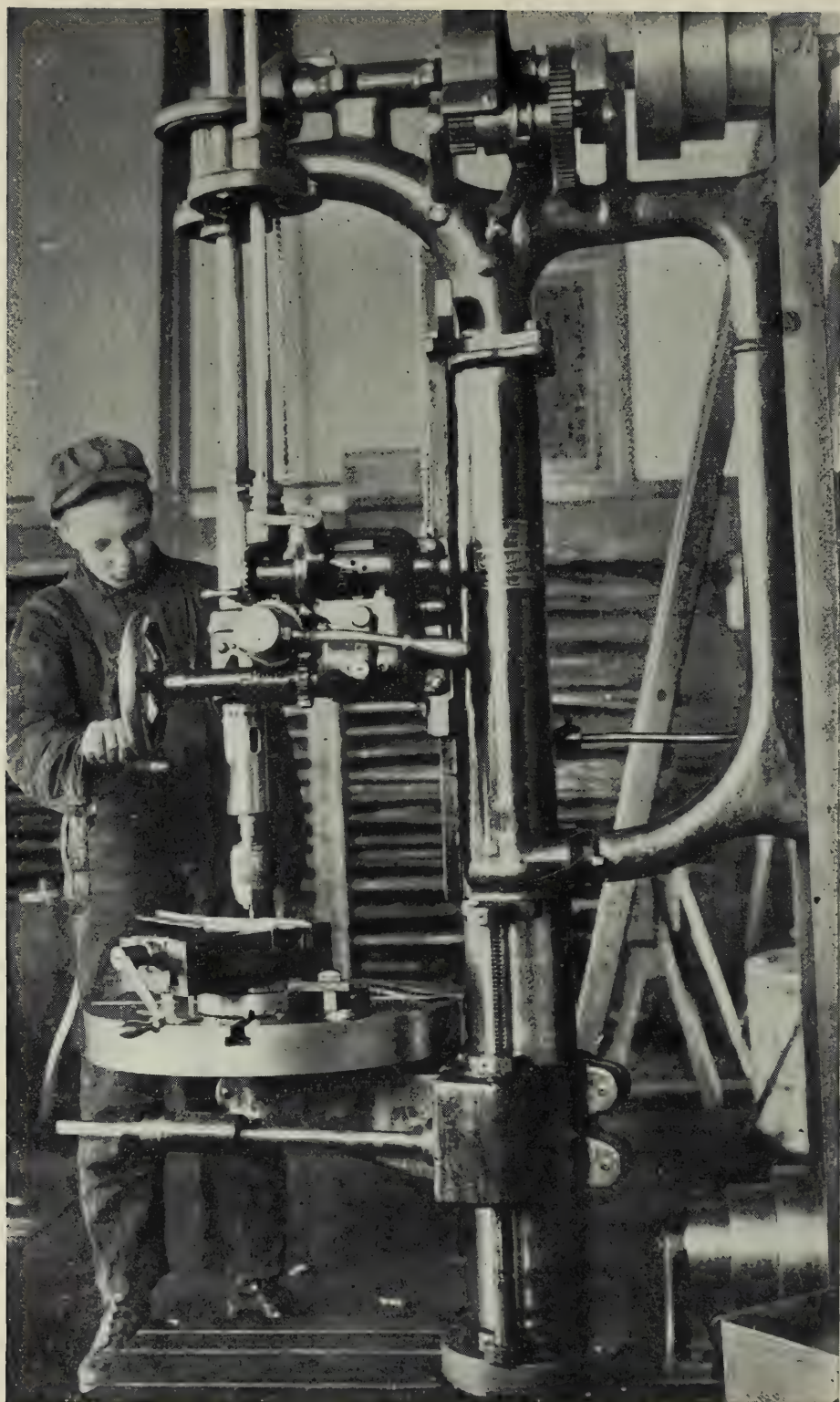
The more closely a school of training adjusts and claims to adjust its instruction to the requirements of *life*, the more its activities must partake of life. A school of industrial trades *must* be continuously and completely adjusted to living requirements because the trades and the tradesmen of industry are modifying, discarding, and adopting usages and methods, view points and policies every day.

Of necessity such a school must avoid an elaborate and unwieldy system that would oppose itself to facile readaptation. The "machinery" of production of skilled workmen must suffer the constant alterations and additions, rejections and discardments to which the machinery of skilled labor itself and the systems of factory operation are subject.

The eager sounds of intelligent and animated progress toward commercially valuable proficiency can be sustained in school only as the self-respecting intelligence of youth so engaged is conscious of a continual and increasing echo of the activities of successful men.

To be convincing the school of industry must set aside the pabulum, dug from text-books and prescribed by theory, and establish itself as a clearing house of current industrial, economic, social, and political thought, as a bureau of current applicable and practicable information. This thought and this information the school must present and impart to the boy through the practice which it gives to him in real, appropriate, and current industrial processes.

However elaborate, visionary, and unpractical these things



VICE WORK ON THE DRILL PRESS

Countersinking Drilled Holes for Screws, Somerville Industrial School
for Boys

may appear on paper, they constitute the simple detailed significance of the common workman's daily life. The danger lies, not in falling short of ideals, but in overstepping the mark by too highly-wrought plans and methods. To see and interpret these things in simple processes and relations is to open the eyes of the youthful mind to the proper steps toward success.

Much attention has often been given to well-displayed furnishings and systems, and people have learned to judge success by the superficial observation of pretty refinements in system, equipment, and theory. But these are not life, they are the attenuated fragrance extracted from life.

These things are to be found in the Somerville Industrial School wrapped up in living activities. We invite no cursory inspection. We want the sympathetic investigation of citizens, officials, parents, and all others. We want them to know what we are doing, and what they think about it. We want their co-operation in an enterprise which we believe to be of the greatest significance at the present time to the youth of our city.

Respectfully submitted,

E. MINOR MORSE,
Principal.

December 20, 1911.

STATEMENT CONCERNING THE CONDUCT OF SUMMER PLAY- GROUNDS, SEASON OF 1911.

I. Opening and Equipment. The playground season for 1911 opened Wednesday, July 5. Nine grounds were opened, as follows: Boys' grounds, Lincoln Park, City Field, Glen Street; girls' grounds, Perry School, Boys' Club, Davis School, Hodgkins School, Morse School, Broadway Park. The Perry School yard took the place of the girls' corner in Lincoln Park. Kent Street, South Street, and Fellsway East were discontinued, and Glen Street and the Davis School were substituted. At the opening of the season there was one instructor on each of the boys' grounds and two women instructors were employed on the girls' grounds.

A great effort was made to have the grounds equipped for all the activities on the very first day, and this was accomplished in a good degree. Every ground had something to do with, so that there was no delay in starting. When the grounds were fully equipped, each girls' yard had basket ball goals, a tennis net and posts, a tether ball, sand boxes which were filled and ready for use, a basket ball, playground ball and bat, ring toss, tennis balls, and hand material. At the Perry and Hodgkins Schools a nine-swing and six-teeter iron frame and a canvas shelter over the sand boxes were new features. Later in the season five baby swings, placed under the Perry School shelter, showed the value of such equipment. The same outfit of swings and teeters added late in the season on City Field and Lincoln Park was a means of providing for a large number of the smaller boys on those grounds.

A new feature was supplying each ground with a good hose by means of which the grounds were kept free from dust and the sand in condition for moulding. In addition, this hose gave large numbers of children a drink in a very short time, and on hot days provided an excellent shower bath for those in bathing suits. At Lincoln Park a large hose loaned by the fire department provided on hot days a wading place for hundreds of children. The boys in bathing suits or old clothes were able to get a bath which was inferior only to a swim in the Mystic.

The boys' grounds were all supplied with a soccer football, which satisfied their desire to kick something, and helped to preserve the other material. In addition, they had baseballs and bats, basket balls, iron quoits, cricket, and volley ball.

II. Policy. Early in the season it became a problem whether the older boys, who came in numbers sufficient to demand special attention as a class by themselves, should be accommodated at the grounds which had been advertised as being for

girls and young children. It became evident that if they were allowed to remain on these grounds it would be impossible, under existing conditions, to make them places where girls and young children could play freely and mothers could come with their babies for rest and recreation in the open. Accordingly, the Perry, Morse, Davis, and Boys' Club yards were restricted to girls and young children. The number of girls, young children, and babies increased right away, and at the Perry the mothers came freely. Mothers came to other yards, but in no such numbers as there.

At Hodgkins and Broadway the boys were all allowed to remain, and such attention as was possible was given them. The larger boys from the other grounds were for the most part taken care of at Lincoln Park and City Field.

III. Activities. *A. Girls' Grounds.* The following general daily programme was given the instructors in each girls' yard: 9-11, active gymnastic games; use of swings, teeters, and sand boxes. 11-11.30, stories and hygiene talks. 2-3.45, hand work; swings, teeters, sand boxes, athletics, and games for those not engaged in hand work. 3.45-4.30, folk dancing, games, and flag salute.

Pilgrimages were made by groups from different grounds to Central and Powder House Parks and to Tufts' campus and museum by special permission. Picnics at City Point, Lexington Park, and Spot Pond were largely attended. Library books were furnished each yard for use by the playground children either in the yard or at home.

A closing festival was held on August 23 at Central Hill Park. A grand rainbow march was given, with about 400 children in line. Each playground gave at the same time a programme of dances and games. At 4.30 the bugle gave the signal, the lines formed again and marched to the monument, where they saluted the flag and sang "The Star-Spangled Banner" and "America."

An attractive exhibition of hand work was exhibited in a booth arranged under the trees.

B. Boys' Grounds. On the boys' grounds this year the aim has been to get as much activity centred in every playground as possible, and at the same time to provide plenty of inter-playground competition. This has been fairly well accomplished by keeping accurate account of all games and athletic meets and by comparing the different grounds as to their number of badge winners, or record holders, or baseball teams. The Athletic Badge Competition gained the interest of the boys and gave them a basis on which to work for their physical development, and also something to look forward to from year to year. The same is true in baseball, where the cups will serve

as suitable trophies for some time. By keeping the records of athletics the performances of future years can be compared and a sentiment built up about each ground which will make it more than just a place on which to play ball for a few weeks in the summer. The boys are trying more and more to keep up the reputation of their respective grounds, and this bids fair to continue. It is noticeable that many of the boys who are now on the older teams were the little fellows during the first playground seasons. As they have grown they have in a way been graduated from the third team to the second and first. This is surely a good sign, and it is by these boys that the work should be judged, rather than by those who made up the older teams during the first year and were only influenced for a short time. The boys who have come up through this system of playground advancement are truly fine, manly little fellows who have a good idea of clean sport. Baseball has been the popular game of the boys' grounds, and consequently has been given the greatest attention, but athletics have taken a greater hold on the boys than ever before.

Swimming was not developed this summer to any extent except during the very hot time at the opening of the season. The fact that some of the supervisors could not swim and the necessity of leaving the grounds unsupervised when the instructor went away made it seem advisable not to emphasize this work. It is, however, a very important part of summer work and should be developed. Every instructor should be able to swim, and with two on every ground, one could leave without closing the ground. There are, however, many boys at the Somerville bathing beach who do not frequent any playground, and it would be an excellent move on the part of the playgrounds to place a swimming instructor at that beach, as the bathhouse employees are not hired and do not have the time to teach swimming. It seems that this should be taken up by the playgrounds.

On the boys' grounds this year an effort was made to get the name, age, and address of every boy who came to the playground. It was impossible to obtain the names of transients who just drifted in for a few times, but the information was recorded for all the boys who regularly attended the several grounds. These lists show that 250 boys regularly came to City Field, 240 to Lincoln Park, and 119 to Glen Park.

C. Attendance. The total attendance for July and August was 74,037; the daily average for the season was 2,103. This means that there was a daily average attendance of 232 children on each of nine grounds, an average of 116 children each half-day on each of the nine grounds.

IV. Expenditures

Amount appropriated		\$1,600.00	
Paid for salaries of supervisors and instructors and for services of janitors in collecting and storing movable apparatus each night.....	\$528.80		
Paid for equipment:—			
Pipe and supplies,—swings, teeters, awnings, frames, etc., and basket ball goals	\$237.26		
Lumber,—used in making slides, basket ball standards, jumping standards, teeter boards, etc., made at the in- dustrial school for boys.....	89.38		
Labor,—making slides, basket ball standards, jumping standards, etc., and putting together and installing swings, teeters, awning frames, etc...	273.08		
Teaming,—distributing apparatus and heavy supplies to various play- grounds, and collecting and storing supplies at the end of the season.....	41.43		
Awnings, hammocks,—purchase of ham- mocks, material for and making awn- ings provided for Perry School grounds	35.10		
Hose,—750 feet furnished various grounds in fifty-foot lengths for lay- ing the dust and wetting sand boxes..	86.35		
		<hr/>	762.60
Athletic supplies:—			
Base balls, bats, basket balls, volley balls, indoor base balls, croquet sets, quoits, etc.	\$164.83		
Cups, medals, and badges.....	60.92		
		<hr/>	225.75
Miscellaneous supplies and disbursements.....	80.82		
Balance unexpended	2.03		
		<hr/>	
	\$1,600.00		\$1,600.00
Somerville Playgrounds Association:—			
Amount raised			1,201.93
Paid for salaries of supervisors and instructors....	958.83		
Paid for supplies.....	77.95		
Miscellaneous disbursements	46.75		
Balance unexpended	118.40		
		<hr/>	
	\$1,201.93		
		<hr/>	
Grand total, whole amount raised.....			\$2,801.98

STATEMENT CONCERNING THE SUBSTITUTION OF SCHOOL SAVINGS BANKS FOR THE STAMP SAVINGS SYSTEM, INCLUDING A REPORT FOR THE YEAR 1910-1911.

The first of May, 1911, marked the close of the ninth and last year of the practical teaching of thrift in the public schools of Somerville by means of the stamp savings system, which the Associated Charities, with the co-operation of the teachers in the lower-grade schools, has conducted as one of the important possible measures of forestalling poverty.

At the close of the term there was no thought of the stamp savings system being superseded by a better one, but unforeseen circumstances have since opened the way for the Associated Charities to withdraw its volunteer forces thus engaged and, at the same time, have the gratifying assurance that a better method of encouraging thrift will be conducted by the school authorities and the Somerville Institution for Savings.

Following the passage by the legislature of an act to authorize savings banks to receive deposits from school children, which will be found in Chapter 211, Acts of 1911, it became evident that the time had arrived when the Associated Charities could properly transfer the burden of conducting the work of teaching thrift to pupils of the public schools to the school organization itself. Accordingly, conferences were held between representatives of the Associated Charities and the Superintendent of Schools, with the result that a proposition to establish school savings banks in the schools of Somerville was submitted to the School Board and by that body approved September 29, 1911. The Somerville Institution for Savings was invited to co-operate with the school department in establishing the new system, and as the year drew to a close it was practically certain that it would undertake this work. In the meantime the masters of the grammar schools, thirteen in number, had voted unanimously to establish the school banks in their respective buildings as soon as the Institution for Savings should be ready to begin the work and to supply the necessary blanks. Below is printed a copy of the ninth report of the Stamp Savings System, furnished by its secretary, Miss Emma S. Keyes, May 18, 1911:—

NINTH REPORT OF THE STAMP SAVINGS SYSTEM.

1909-10

1910-11

School.	Rooms.	Cards Sold.	Collec- tions.	Banked.	Cashed.	Nine Years Collections
\$388.20 Bingham	16	365	\$603.79	\$206.06	\$352.56	\$3,426.86
443.54 Prescott	12	354	565.50	297.33	219.77	4,878.55
627.67 Carr	17	280	493.80	245.75	294.72	5,448.42
507.57 Edgerly	12	301	492.21	372.22	178.85	5,903.81
467.18 Glines	13	230	486.91	385.83	121.24	5,521.28
440.00 Morse	12	300	432.00	128.91	308.93	4,933.74
427.23 Forster	18	263	425.66	206.33	185.63	5,993.55
504.22 Bennett	11	312	388.27	92.44	340.30	4,246.71
310.74 Hodgkins	14	178	387.81	174.84	185.47	3,566.94
583.42 Knapp	13	246	311.30	88.66	258.89	3,732.23
249.93 Hanscom	10	288	302.09	85.29	144.19	1,906.84
277.07 Burns	8	151	289.38	201.44	68.53	3,486.35
218.84 Lincoln	4	133	268.39	168.58	73.66	1,715.14
281.83 Bell	12	183	264.06	105.80	149.24	3,323.61
292.23 Brown	10	112	250.86	202.44	80.30	2,411.80
175.78 Cummings	4	135	239.02	113.67	83.70	2,162.41
237.42 Baxter	6	165	230.36	77.23	134.94	1,615.86
264.71 Highland	12	100	227.40	144.64	139.70	2,984.98
172.95 Proctor (1905)	9	Not settled	184.99	130.91	75.57	1,492.58
243.51 Lowe (1903)	8	165	177.37	101.59	101.72	2,160.09
231.28 Pope	12	172	156.75	64.25	102.10	2,514.11
177.90 Durell	4	100	156.45	51.30	99.79	1,590.03
184.16 Perry	6	135	150.49	53.28	128.76	1,240.57
107.44 Davis				30.90	31.30	1,524.95
Boys' Club						23.63
No schools given					15.41	
Discrepancies					11.57	
<hr/> \$7,814.82			<hr/> \$7,484.86	<hr/> \$3,729.69	<hr/> \$3,886.84	<hr/> \$77,805.04
Losses not made good			4.71		Banked	42,656.87
					Cashed	29,720.82

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SUMMARY OF STATISTICS.**1.—POPULATION AND SCHOOL CENSUS.**

Population, state census, 1895.....	52,200
Population, United States census, 1900.....	61,643
Population, state census, 1905.....	69,272
Population, United States census, 1910.....	77,236
Children between five and fifteen years of age, October, 1910, by school census.....	12,112
Children between five and fifteen years of age, October, 1911, by school census.....	12,758
Increase	646

2.—SCHOOL BUILDINGS.

	1910.	1911.	Change.
Number of school buildings.....	26	27	+1
Number of classrooms in use in December	281	281	0
Valuation of school property....	\$1,463,381	\$1,507,112	

3.—TEACHERS.

	1910.	1911.	Change.
In high schools.....	63	62	—1
In grammar schools.....	168	169	+1
In primary schools.....	86	83	—3
In kindergartens	8	7	—1
Total in elementary schools.....	262	259	—3
Industrial school for boys.....	3	4	+1
Industrial school for girls.....		6	+6
Atypical class	1	1	0
Cadet teachers	1	2	+1
Special	9	9	0
Total	339	343	+4

4.—ATTENDANCE FOR YEAR.

	1910.	1911.	Change.
Entire enrollment for the year.....	14,481	14,301	—180
Average number belonging.....	12,131	11,871	—260
Average number attending.....	11,435	11,186	—249
Per cent. of daily attendance.....	94.3	94.2	—0.1
High school graduates.....	267	277	+10
Grammar school graduates.....	743	743	0

5.—ATTENDANCE IN DECEMBER.

	1910.	1911.	Change.
Whole number attending.....	13,862	13,734	—128
In private schools.....	1,803	1,811	+8
In public schools.....	12,059	11,923	—136
In high schools.....	1,726	1,781	+55
In elementary schools.....	10,084	9,822	—262
In kindergarten	200	217	+17
In industrial school for boys.....	33	42	+9
In industrial school for girls.....	0	46	+46
In atypical school.....	16	15	—1
In first grade.....	826	1,083	+257
In second grade.....	1,358	924	—434

	1910.	1911.	Change.
In third grade.....	1,354	1,314	—40
In fourth grade.....	1,269	1,290	+21
In fifth grade.....	1,258	1,206	—52
In sixth grade.....	1,165	1,239	+74
In seventh grade.....	1,067	1,076	+9
In eighth grade.....	953	914	—39
In ninth grade.....	834	776	—58

6.—COST OF SCHOOL MAINTENANCE.

	1910.	1911.	Change.
Salaries of teachers.....	\$292,398.47	\$293,267.30	\$+868.83
Salaries of officers.....	6,021.77	7,125.80	+1,104.03
Cost of books and supplies..	26,292.14	24,968.48	—1,323.66
Cost of light.....	6,108.92	4,750.65	—1,358.27
Cost of janitors' services...	25,802.51	26,031.12	+228.61
Cost of fuel.....	14,003.46	14,907.12	+903.66
Telephones	595.36	528.63	—66.73
Total cost of day and even- ing schools	371,222.63	371,579.10	+356.47
Per capita cost.....	28.67	29.07	+0.40
Cost of high school instruc- tion	71,597.03	73,302.95	+1,705.92
Per capita cost.....	42.62	42.69	+0.07

7.—MISCELLANEOUS.

	1910.	1911.	Change.
Paid for new school buildings	0	\$7,148.74	+\$7,148.74
Repairs and permanent improvements	\$21,864.11	18,911.04	—2,953.07
Total school expendi- tures	393,086.74	397,638.88	
Valuation of city.....	66,376,338.70	67,284,066.00	
Number of dollars spent to maintain schools out of every \$1,000 of valuation	5.59	5.52	—0.07
Number of dollars spent for all school purposes out of every \$1,000 of valuation	5.92	5.98	+0.06

Cost of the Schools. The total amount spent for the maintenance of the schools of Somerville in 1911 is \$371,579.10. This does not include the sums spent on schoolhouse repairs and for new buildings. It does cover the amount paid for the care of school buildings, for janitors' services, fuel, light, and school telephones. This expenditure is wholly in charge of the city government.

The amount paid for janitors is.....	\$26,031.12
The cost of fuel is.....	14,907.12
The cost of light is.....	4,750.65
The cost of the school telephones is.....	528.63
A total of.....	\$46,217.52
The cost per capita.....	3.89
Cost of repairs.....	\$18,911.04

The second important expenditure is wholly under the control of the Board, and is covered by what is known as the "School Contingent" appropriation. The following is the itemized account:—

Officers' salaries		\$7,125.80
Books	\$7,056.42	
Stationery	4,438.87	
Laboratory and manual training supplies	2,552.89	
Bookkeeping blanks	261.98	
Writing books	1.09	
Maps, charts, etc.....	103.97	
Drawing	981.89	
Typewriters and supplies.....	874.22	
Printing	1,445.65	
Telephones	239.49	
Postage	219.74	
Travel	172.53	
Expressage	121.64	
Bookbinding	862.52	
Board of truants.....	548.72	
Census	349.00	
Kindergarten supplies	222.51	
Graduation exercises	503.55	
Repairing and tuning pianos.....	33.00	
Tuition for pupils in Boston Trade School for Girls.....	747.84	
Tuition for pupil in Medford school.....	30.00	
Industrial school for boys.....	2,037.60	
Industrial school for girls.....	391.60	
Atypical school	20.43	
Miscellaneous	751.33	
Total for school supplies, etc.....		24,968.48
Total outlay on school contingent account.....		\$32,094.28
Appropriation		31,000.00
Deficiency		\$1,094.28
Received for damage to school property, tuition of state wards, non-residents, etc.....		1,101.40
Balance		\$7.12

The third, and by far the largest, element of the cost of schools is the sum spent for the salaries of teachers. The following shows the monthly payments:—

January	\$30,039.26
February	29,959.75
March	29,518.75
April	28,612.65
May	28,654.88
June	28,559.01
September	28,300.50
Amount carried forward	\$203,644 80

Amount brought forward	\$203,644.80
October	29,899.62
November	30,328.13
December	29,394.75
Total	\$293,267.30
Amount of appropriation.....	295,000.00
Balance	\$1,732.70

The estimate of the School Board for teachers' salaries amounted to \$309,870. The expenditure was \$16,602.70 less.

The total outlay for all school purposes in 1911 was as follows:—

Care of schoolhouses.....	\$46,217.52
Administration	7,125.80
School supplies	24,968.48
Teachers' salaries	293,267.30
Total for school maintenance.....	\$371,579.10
Paid for repairs.....	18,911.04
Total for all school purposes.....	\$390,490.14

Each dollar of the sum spent for the support of schools has been divided in the following proportion:—

	1906.	1907.	1908.	1909.	1910.	1911.
Janitors' salaries ..	\$0.070	\$0.070	\$0.070	\$0.071	\$0.070	\$0.071
Heat and light.....	0.052	0.057	0.051	0.052	0.054	0.053
Administration	0.016	0.016	0.015	0.015	0.017	0.019
School supplies	0.070	0.072	0.072	0.061	0.071	0.068
Teachers' salaries ..	0.792	0.785	0.792	0.801	0.788	0.789
Total	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000

Per Capita Cost. The proper method of comparison of the cost of schools year by year is to consider the sum spent for each pupil in the average membership. In this computation we exclude the cost of evening schools, the sum being so large as possibly to mislead. The following shows

THE PER CAPITA COST OF DAY SCHOOLS FOR 1910 AND 1911.

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1911.	1910.	Increase.	1911.	1910.	Increase.	1911.	1910.	Increase
Instruction . . .	\$42 85	\$42 62	\$0 23	\$21 18	\$20 93	\$0 25	\$24 68	\$24 02	0 66
Supplies . . .	4 78	4 84	—0 06	1 36	1 65	—0 29	2 06	2 11	—0 05
Care . . .	5 08	5 12	—0 04	3 45	3 41	0 04	3 77	3 64	0 13
Total . . .	\$52 71	\$52 58	\$0 13	\$25 99	\$25 99	\$0 00	\$30 51	\$29 77	\$0 74

Including the cost of maintenance of evening schools, the per capita cost is as follows:—

	1908.	1909.	1910.	1911.
Cost of instruction.....	\$24.21	\$24.06	\$23.05	\$23.50
Cost of supplies.....	2.17	1.76	2.03	1.95
Cost of care.....	3.65	3.66	3.59	3.62
Total	\$30.03	\$29.48	\$28.67	\$29.07

An examination of these tables shows that we have paid \$0.23 more for the instruction of each pupil in the high school than in 1910, and six cents less per pupil for supplies.

The grammar and primary schools have cost twenty-five cents more per pupil for instruction, and twenty-nine cents less for supplies.

According to the Annual Report of the State Board of Education for 1910-'11, the amount yielded for each child in the average membership of the public schools was \$29.89, giving to Somerville the rank of 109 among the cities and towns of Massachusetts. In 1909-'10 the rank was 93. By the same report it is shown that Somerville appropriated to the support of the public schools \$5.59 for each thousand dollars of valuation, and had the rank of 132. The year before the amount spent was \$5.75 and the rank 121.

The amount spent for the fiscal year 1911 was \$5.52, or seven cents less than that spent in 1910. The amount yielded for each child in the average membership of the schools for 1911, not including the industrial schools, was \$28.46.

Teachers' Salaries. The salaries paid to teachers in January, 1912, are as follows:—

1 man	\$3,100	3 women	\$300
4 men	2,000	17 women	775
8 men, 2 women.....	1,900	1 woman	750
2 men	1,800	7 women	725
7 men	1,700	187 women, 1 man.....	700
1 man, 1 woman.....	1,600	5 women	650
3 men	1,500	19 women, 1 man.....	600
3 men	1,400	3 women	525
4 men, 1 woman.....	1,300	3 women	500
3 women	1,200	2 women	425
2 men	1,050	3 women	350
3 men, 14 women.....	1,000	1 woman	320
21 women	900	2 women	275
4 women	850	2 women	200
2 women	825		

Sight and Hearing.

The following gives the results of the eye and ear test:—

EYES.			
	1910.	1911.	Change.
Tested	11,136	10,794	—342
Defective	1,733	1,822	+89
Per cent. defective.....	15.6	16.9	+1.3
Notices sent to parents.....	1,179	1,098	
Professionally treated	128	181	
EARS.			
	1910.	1911.	Change.
Tested	11,441	11,303	—138
Defective	332	292	—40
Per cent. defective.....	2.9	2.6	—0.3
Notices sent to parents.....	219	202	
Professionally treated	27	33	

CLASSIFIED STATEMENT SHOWING DISTRIBUTION OF EXPENDITURES CONTROLLED BY THE SCHOOL BOARD

CLASSIFIED STATEMENT SHOW

SCHOOLS.	SALARIES.																							
	TEACHERS.					Adminis'tion																		
	Regular.	Substitute.	Special.	Kindergarten.	Total.		Text-Books.	Reference Books.	White Paper.	Manila Paper.	Blank Books	Pencils, Pens, etc.	Writing Books.	Maps and Charts.	Book-binding.	Principals' Disbursements.	Kindergarten Supplies.	Piano Tuning, etc.	Travel.	Miscellaneous	Drawing Supplies.	Manual Training.	Mending Tape, Paste, etc.	Printing.
*Latin	\$13,850 75	\$203 00	\$84 96	.....	\$14,138 71	.....	\$319 33	\$7 48	\$29 85	\$90 72	\$67 45	\$16 59	.....	.....	.....	.....	.....	.....	.....	\$2 92	.....	.....	\$1 00	\$1 07
*English	30,130 50	90 00	198 36	.....	30,418 86	.....	123 18	4 00	432 91	108 00	144 57	160 91	.....	.....	.....	\$4 20	.....	\$ 50	\$4 00	48 68	\$111 06	\$47 88	3 10	20 67
†High	28,426 50	130 00	188 88	.....	28,745 38	.....	1,806 67	43 95	.....	.....	112 56	39 20	.....	\$14 20	\$282 36	.....	.....	.....	.....	.....	150 24	1,352 59	.....	197 53
Prescott	9,902 50	428 75	538 13	.....	10,869 38	.....	366 90	.....	15 70	21 71	9 45	36 25	.....	1 14	15 53	.....	\$ 75	3 00	18 36	6 80	8 97	52 77	1 67	4 02
Hanscom	7,021 00	579 00	160 20	\$978 25	8,738 45	.....	97 87	2 05	15 80	19 62	3 86	31 18	.....	19 27	18 87	.....	54 35	.....	.....	18 33	12 12	20	4 63	2 83
Bennett	7,158 25	122 50	174 39	887 15	8,342 29	.....	166 85	.....	8 07	31 94	3 75	24 01	.....	90	.....	.....	30 54	.....	.....	12 60	75	1 70	95	4 46
Baxter	3,606 50	66 88	95 25	872 62	4,641 25	.....	75 64	.....	35 12	28 84	3 54	21 85	.....	8 97	6 63	.....	13 91	.....	.....	8 17	6 93	.....	5 29	3 93
Kuapp	9,997 88	818 00	675 43	.....	11,491 31	.....	299 17	.....	105 30	55 02	24 73	58 69	.....	1 74	68 81	.....	20	50	.....	16 25	9 10	52 95	6 89	4 75
Perry	3,737 63	416 75	131 96	.....	4,286 34	.....	60 43	.....	33 56	18 71	.....	15 91	.....	36	.....	.....	1 62	.....	.....	14 19	5 50	5 83	62	1 59
Pope	10,383 25	30 50	566 90	.....	10,980 65	.....	253 44	10 35	62 03	45 58	9 45	28 47	.....	90	23 12	.....	35	4 00	.....	5 16	30 17	80 86	2 36	4 01
Be ⁿ	9,391 75	23 00	535 60	.....	9,950 35	.....	304 21	.....	66 38	28 89	13 24	38 98	.....	1 20	57 29	.....	10 47	.....	.....	19 05	11 60	45 58	1 15	6 56
Cummings	2,425 25	38 25	50 89	.....	2,514 39	.....	68 19	.....	1 91	6 48	.....	3 00	.....	4 82	.....	.....	4 40	.....	.....	4 35	5 16	.....	1 43	1 08
Edgerly	9,312 50	465 75	591 46	.....	10,369 71	.....	169 17	.....	56 16	8 14	13 85	46 22	.....	54	46 92	.....	.....	.....	.....	19 55	23 79	71 09	56	4 50
Glines	10,375 13	35 25	577 25	1,025 00	12,012 63	.....	99 88	.....	76 66	45 50	2 50	38 19	.....	.....	11 05	.....	48 23	.....	.....	16 10	22 44	41 27	5 35	2 43
Forster	13,926 75	75 50	702 11	.....	14,704 36	.....	372 77	.....	98 22	45 44	11 96	35 39	.....	62	28 05	.....	6 68	.....	.....	22 28	14 79	84 17	2 44	4 94
Bingham	12,725 25	866 25	690 93	.....	14,282 43	.....	333 32	.....	71 18	33 80	15 40	24 56	.....	10 97	45 50	.....	1 76	3 50	2 67	27 22	12 56	49 53	9 42	7 44
Carr	13,219 50	456 25	764 47	.....	14,440 22	.....	318 18	.....	82 66	35 82	21 61	50 31	.....	19 48	43 35	.....	18 82	5 00	.....	19 57	26 66	49 56	7 50	3 85
Morse	9,285 12	564 00	579 97	.....	10,429 09	.....	188 18	.....	44 13	27 64	15 75	37 95	.....	1 44	20 74	.....	3 88	2 00	8 80	11 52	18 12	32 23	3 96	5 30
Proctor	5,847 50	93 00	182 36	.....	6,122 86	.....	63 31	.....	61 12	12 94	2 81	11 84	.....	.....	30 94	.....	57	.....	.....	2 67	5 75	8 84	62	3 15
Durell	2,785 25	144 50	58 27	.....	2,988 02	.....	50 16	.....	19 99	8 57	1 25	8 52	.....	27	8 61	.....	1 52	.....	.....	4 66	7 60	.....	1 31	99
Burns	5,640 25	448 75	177 00	.....	6,266 00	.....	178 50	.....	39 81	32 97	3 75	32 19	.....	13 07	.....	.....	4 68	.....	.....	7 10	11 26	7 43	1 42	2 96
Brown	8,354 25	315 00	454 99	.....	9,124 24	.....	167 73	1 15	33 46	14 64	8 13	37 28	.....	2 50	41 82	.....	1 20	6 00	10 39	26 26	17 22	37 87	7 34	3 50
Highland	9,982 00	288 00	717 29	.....	10,987 29	.....	409 87	.....	89 44	47 07	18 90	24 53	.....	6 15	43 80	.....	.....	6 50	16 76	25 23	17 74	63 88	5 72	2 70
Hodgkins	12,092 61	436 50	751 41	.....	13,280 55	.....	391 89	.....	122 08	21 75	23 53	12 33	.....	60	59 10	.....	1 82	2 00	1 08	22 87	24 33	53 45	6 30	3 79
Lincoln	2,907 50	563 75	58 27	.....	3,529 52	.....	114 84	.....	25 53	14 99	.....	18 30	.....	5 12	4 25	.....	9 20	.....	.....	3 87	10 91	.....	1 80	1 05
Lowe	6,067 75	92 25	115 02	.....	6,275 02	.....	110 88	.....	19 03	33 61	75	37 33	\$1 09	.....	5 78	.....	5 44	.....	.....	7 25	3 27	.....	.....	4 44
Atypical	775 00	.....	.....	.....	775 00	.....	.....	.....	2 25	1 74	32	1 99	.....	.....	.....	.....	.....	.....	.....	.....	1 01	.....	59	.....
Industrial, Boys.....	3,660 00	.....	100 00	.....	3,760 00	.....	52 88	.....	.....	.....	.....	.....	.....	.....	51	.....	.....	.....	2 30	180 02	97 65	.....	.....	22 50
Industrial, Girls.....	1,515 00	.....	.....	.....	1,515 00	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55 22	.....	.....	.....	23 85
Evening, High.....	4,207 00	.....	.....	.....	4,207 00	.....	.....	.....	21 58	4 32	1 25	17 10	.....	.....	.....	.....	.....	.....	.....	11 35	136 83	.....	.....	50 80
Evening, Bell.....	2,442 00	.....	.....	.....	2,442 00	.....	19 80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 00	.....	.....	13 17
Evening, Highland.....	639 00	.....	.....	.....	639 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7 08
Miscellaneous .....	.....	.....	.....	.....	.....	.....	24 68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Administration .....	.....	.....	.....	.....	.....	\$7,125 80	.....	20 51	.....	.....	.....	.....	.....	.....	.....	.....	4 69	.....	101 97	208 06	1 12	.....	4 58	726 45
Stock .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35 73	.....	.....	.....	382 42
Totals	\$271,791 15	\$7,791 38	\$9,921 75	\$3,763 02	\$293,267 30	\$7,125 80	\$7,007 92	\$89 99	\$1,669 98	\$849 45	\$534 36	\$909 07	\$1 09	\$114 26	\$863 03	\$4 20	\$225 08	\$33 00	\$166 83	\$865 03	\$804 65	\$2,139 63	\$88 00	\$1,529 81

* 6 months }
† 4 months } Due to the consolidation of the two high schools.

NT SHOWING DISTRIBUTION OF EXPENDITURES CONTROLLED BY THE SCHOOL BOARD

Printing.	Expressage.	Graduation.	Laboratory Supplies.	Typewriters and Supplies.	Postage.	Biology.	Neostyle Supplies, etc.	Bookkeeping Blanks.	Cooking Supplies.	Reed, Raphia, Looms, Needles.	Stationery.	Sewing Machines.	Sewing Material.	Scissors, Needles, Pins, etc.	Iron and Steel.	Screws, etc.	Board of Truants.	Newsboy Badges.	Census.	Tuition.	Telephones.	Clerical Service.	Machinery.	Lumber.	Paints, Oils, etc.	Tools.
\$1 07	\$ 20	\$113 06	.....	.....	.....	\$6 83	\$81 80	\$8 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20 67	5 40	155 43	\$113 92	\$32 05	\$14 82	25 25	4 00	151 59	\$130 16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
197 53	9 68	72 00	560 45	787 49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 02	2 10	7 32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 83	2 55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 46	1 90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 93	1 60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 75	8 55	17 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 59	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 01	75	7 93	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 56	1 25	14 45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 08	80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 50	1 40	8 65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 43	1 05	14 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 91	35	17 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7 44	2 05	6 73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 85	55	12 30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5 30	97	12 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 15	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
99	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 96	85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 50	2 20	6 85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2 70	2 00	18 33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 79	1 68	13 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 05	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 44	1 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$30 03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22 50	16 34	.....	.....	51 00	.....	.....	45 65	.....	.....	.....	\$74 86	.....	.....	.....	\$203 20	\$139 02	.....	.....	.....	.....	.....	\$1 40	\$14 50	\$332 39	\$114 11	\$690 56
23 85	1 90	.....	.....	50 55	3 25	.....	.....	.....	84 49	.....	21 49	\$23 00	\$74 31	\$43 04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50 80	1 05	5 12	.....	40 00	5 00	.....	.....	90 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13 17	35	6 20	.....	.....	20 27	.....	.....	14 65	.....	.....	5 33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7 08	30	2 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
726 45	57 70	.....	.....	.....	.....	.....	.....	.....	.....	.....	5 70	.....	.....	.....	.....	.....	\$548 72	\$20 45	\$349 00	\$777 84	.....	.....	.....	.....	.....	.....
382 12	8 95	.....	.....	15 68	199 92	.....	.....	.....	.....	.....	97 77	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$239 49	.....	.....	.....	.....	.....
.....
\$1,529 81	\$137 67	\$511 72	\$701 37	\$976 77	\$243 26	\$32 08	\$131 45	\$264 63	\$214 65	\$30 03	\$205 15	\$23 00	\$74 31	\$43 04	\$203 20	\$139 02	\$548 72	\$20 45	\$349 00	\$777 84	\$239 49	\$1 40	\$14 50	\$332 39	\$114 11	\$690 56

Tools.	Stock.	Totals.	SCHOOLS.
.....	\$649 67	..... Latin*
.....	1,661 91	..... English*
.....	5,739 92	..... High†
.....	572 44	..... Prescott
.....	303 53	..... Hanscom
.....	288 42	..... Bennett
.....	220 42	..... Baxter
.....	729 70	..... Knapp
.....	159 07	..... Perry
.....	568 93	..... Pope
.....	620 30	..... Bell
.....	101 62	..... Cummings
.....	470 54	..... Edgerly
.....	425 50	..... Glines
.....	745 15	..... Forster
.....	657 61	..... Bingham
.....	715 22	..... Carr
.....	435 46	..... Morse
.....	205 16	..... Proctor
.....	113 90	..... Durell
.....	335 99	..... Burns
.....	426 04	..... Brown
.....	798 62	..... Highland
.....	761 65	..... Hodgkins
.....	210 26	..... Lincoln
.....	234 92	..... Lowe
.....	37 93	..... Atypical
\$690 56	2,038 89	..... Industrial, Boys
.....	381 60	..... Industrial, Girls
.....	384 79	..... Evening, High
.....	80 77	..... Evening, Bell
.....	10 88	..... Evening, Highland
.....	2,728 99	..... Miscellaneous
.....	1,102 44	..... Administration
.....	\$50 24	50 24	..... Stock
<hr/>			
\$690 56	\$50 24	\$24,968 48	Totals

TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Size of Lot.	Valuation, including Furniture.	When built.	No. of years used.	Enlargements.
1	High } West	a17	.....	\$141,160	1895	16	8 rooms added 1906
2	School } East	14	.....	114,761	1871	40	
3	Prescott . .	12	22,000	66,260	1867	44	
4	Knapp . . .	13	24,517	50,540	1889	22	4 rooms added 1894
5	Pope . . .	12	27,236	85,760	1891	20	
6	Bell	12	22,262	48,897	1874	37	
7	Edgerly . .	12	24,000	46,030	1871	40	{ 4 rooms added 1882 4 rooms added 1892
8	Glines . . .	14	28,800	80,740	1891	20	5 rooms added 1896
9	Forster . .	18	30,632	85,290	1866	45	6 rooms added 1899
10	Bingham . .	16	35,586	70,005	1886	25	{ 4 rooms added 1894 8 rooms added 1904
11	Carr	17	20,450	54,210	1898	13	
12	Morse . . .	12	29,000	48,199	1869	42	6 rooms added 1890
13	Highland . .	12	23,260	60,560	1880	31	4 rooms added 1891
14	Hodgkins . .	14	35,034	75,651	1896	15	
15	Bennett . .	12	17,000	60,248	1902	9	
16	Hanscom . .	10	12,756	73,290	1897	14	4 rooms added 1907
17	Brown . . .	10	20,093	64,151	1901	10	4 rooms added 1907
18	Proctor . .	9	18,000	42,820	1905	6	
19	Burns . . .	8	16,080	34,760	1886	25	4 rooms added 1899
20	Lowe	8	21,650	51,826	1903	8	
21	Baxter . . .	6	11,000	32,956	1901	10	
22	Perry . . .	6	46,080	37,080	1899	12	
23	Davis Indust'l	4	30,155	22,720	1884	27	
24	Cummings .	4	11,300	11,920	1884	27	
25	Durell . . .	4	13,883	19,720	1894	17	
26	Lincoln . .	4	17,662	18,220	1885	26	
27	Girls' Indust'l	b6	8,850	9,338	1911	..	
	Total. .	286	.....	\$1,507,112	....	..

(a) Nine recitation rooms, a chemical, a physical, and a biological laboratory, four manual training rooms, a cooking room, a typewriting room, three drawing rooms, two libraries, two offices, three teachers' rooms, two lecture halls, and a lunch room in the basement.

(b) There are besides one girls' dining room, one teachers' dining room, one stock room, four fitting rooms, one infirmary, and a principal's office.

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1911.

SCHOOLS.	FROM SCHOOL APPROPRIATION:		SPENT BY CITY GOVERNMENT.	Total.
	Teachers.	Supplies.	Care.	
High	\$73,582 39	\$8,203 73	\$8,729 47	\$90,515 59
Prescott	11,204 72	755 10	1,628 14	13,587 96
Knapp	11,854 58	927 58	1,576 42	14,358 58
Pope	11,315 99	751 59	1,814 51	13,882 09
Bell	10,229 79	772 53	1,319 22	12,321 54
Edgerly	10,677 09	637 98	1,370 25	12,685 32
Glines	12,375 90	623 38	1,870 79	14,870 07
Forster	15,151 46	988 70	3,097 74	19,237 90
Bingham	14,729 53	901 17	1,963 64	17,594 34
Carr	14,887 32	958 78	2,040 94	17,887 04
Morse	10,736 47	602 90	1,632 45	12,971 82
Brown	9,403 68	578 27	1,406 68	11,388 63
Highland	11,322 63	981 28	1,726 22	14,030 13
Hodgkins	13,699 71	989 98	1,687 27	16,376 96
Bennett	8,621 73	440 65	1,345 03	10,407 41
Hanscom	9,017 89	455 76	1,755 70	11,229 35
Proctor	6,318 48	311 71	1,210 15	7,840 34
Burns	6,489 55	457 76	1,269 13	8,216 44
Lowe	6,498 57	356 69	1,216 88	8,072 14
Baxter	4,808 91	311 76	956 93	6,077 60
Perry	4,454 00	250 41	1,083 51	5,787 92
Cummings	2,626 18	162 51	993 13	3,781 82
Durell	3,099 81	174 79	833 88	4,108 48
Lincoln	3,641 31	271 15	903 19	4,815 65
Evening	7,371 84	522 11	1,388 11	9,282 06
Atypical	802 95	53 16	117 68	973 79
Boys' Industrial* .	3,843 84	2,084 56	1,118 58	7,046 98
Girls' Industrial* .	1,626 78	442 49	161 88	2,231 15
Total . . .	\$300,393 10	\$24,968 48	\$46,217 52	\$371,579 10

*The total for industrial schools is about \$4,000 larger than the cost to the city for maintaining them, as the city will be reimbursed that amount by the State under provisions of Statute.

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1911

SCHOOLS.	Teachers.	Supplies.	Care.	Total.
High	\$42 85	\$4 78	\$5 08	\$52 71
Prescott	22 28	1 50	3 24	27 02
Knapp	22 41	1 75	2 98	27 14
Pope	23 09	1 53	3 70	28 32
Bell	21 81	1 65	2 81	26 27
Edgerly	22 48	1 34	2 88	26 70
Glines	22 46	1 13	3 40	26 99
Forster	21 93	1 43	4 48	27 84
Bingham	20 18	1 23	2 69	24 10
Carr	22 29	1 44	3 06	26 79
Morse	22 70	1 27	3 45	27 42
Brown	21 82	1 34	3 26	26 42
Highland	21 24	1 84	3 24	26 32
Hodgkins	21 37	1 54	2 63	25 54
Bennett	18 50	95	2 89	22 34
Hanscom	20 08	1 02	3 42	24 52
Proctor	20 92	1 03	4 01	25 96
Burns	20 73	1 46	4 05	26 24
Lowe	19 87	1 09	3 72	24 68
Baxter	19 71	1 28	3 92	24 91
Perry	18 87	1 06	4 17	24 10
Cummings	13 54	84	5 12	19 50
Durell	19 37	1 09	5 21	25 67
Lincoln	17 26	1 29	4 28	22 83
Evening	8 07	57	1 52	10 16
Atypical	53 53	3 54	7 84	64 91
Gram. and primary	21 18	1 36	3 45	25 99
All schools	23 17	1 76	3 53	28 46
Boys' Industrial . . .	96 10	52 11	27 96	176 17
Girls' Industrial . . .	125 14	34 04	12 45	171 63

TABLE 4. — ANNUAL COST OF MAINTAINING THE SCHOOLS
FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Membership.	FROM SCHOOL APPROPRIATION.		SUM SPENT UNDER DIRECTION OF CITY GOVERNMENT.				Total.
		Instruction and Supervision.	School Supplies.	Light.	Heating.	Janitors.	School Telephones.	
1886	4,985	\$83,542	\$6,676	\$624	\$4,929	\$4,194	...	\$99,865
1887	5,198	86,713	7,526	765	6,475	5,084	...	106,563
1888	5,488	88,967	7,421	953	7,121	5,892	...	110,354
1889	5,956	96,466	9,903	805	6,081	6,448	...	119,703
1890	6,486	104,184	10,371	1,004	5,586	7,539	...	128,684
1891	6,502	114,066	13,899	1,047	8,032	8,544	...	145,588
1892	7,035	124,232	12,944	1,064	7,148	9,794	...	155,183
1893	7,217	128,720	10,137	1,014	8,312	10,160	...	158,333
1894	7,212	132,919	10,919	958	9,673	10,686	...	165,155
1895	7,617	144,113	15,063	1,398	8,796	11,581	...	180,951
1896	8,077	161,551	17,601	1,469	9,962	14,160	...	204,743
1897	8,589	180,222	14,815	1,920	10,065	16,251	...	223,273
1898	9,085	189,244	14,986	2,075	9,767	17,393	...	233,465
1899	9,502	197,660	16,131	2,472	10,821	17,831	...	244,915
1900	9,823	212,863	15,735	1,729	10,840	19,236	...	260,403
1901	9,991	226,556	18,707	1,731	13,723	20,078	...	280,796
1902	10,402	234,210	19,386	1,803	10,489	20,859	...	286,747
1903	10,719	242,964	20,873	2,015	18,052	21,042	...	304,946
1904	11,094	255,481	21,411	1,436	15,315	22,024	\$237	315 904
1905	11,543	259,597	20,137	4,345	15,167	21,949	482	321,677
1906	11,762	266,197	22,589	2,875	14,162	23,143	380	329,346
1907	11,909	273,107	24,317	3,760	15,236	23,999	433	340,852
1908	12,159	294,400	26,377	3,831	14,912	25,245	386	365,151
1909	12,423	298,839	21,819	4,071	14,798	26,072	550	366,149
1910	12,131	298,420	26,292	6,109	14,003	25,803	595	371,222
1911	11,871	300,393	24,968	4,751	14,907	26,031	529	371,579

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS

FOR A SERIES OF YEARS.

[Based on the average membership.]

YEAR.	Instruction and Supervision.	School Supply Expenses.	Janitors, Water, Heat, and Light.	Total.	Assessors' Valua- tion of City.	Ratio of Cost of School Main- tenance to Valuation.
1886	\$16 76	\$1 34	\$1 94	\$20 03	\$26,003,200	.00384
1887	16 68	1 45	2 37	20 50	27,469,300	.00388
1888	16 21	1 36	2 54	20 11	28,756,400	.00384
1889	16 20	1 66	2 24	20 10	30,004,600	.00399
1890	16 06	1 60	2 18	19 84	32,557,500	.00395
1891	17 54	2 14	2 71	22 39	36,843,400	.00395
1892	17 66	1 84	2 56	22 06	38,093,100	.00407
1893	17 84	1 40	2 70	21 94	41,773,600	.00379
1894	18 43	1 51	2 96	22 90	44,142,900	.00374
1895	18 92	1 98	2 86	23 76	46,506,300	.00390
1896	20 00	2 18	3 17	25 35	49,013,050	.00418
1897	20 98	1 73	3 29	26 00	50,173,775	.00444
1898	20 83	1 65	3 22	25 70	50,739,700	.00460
1899	20 80	1 70	3 28	25 78	51,202,350	.00478
1900	21 67	1 60	3 24	26 51	52,513,400	.00496
1901	22 67	1 87	3 56	28 10	53,924,200	.00521
1902	22 52	1 86	3 19	27 57	55,485,370	.00517
1903	22 67	1 95	3 84	28 46	56,981,360	.00535
1904	23 03	1 93	3 52	28 48	58,056,700	.00544
1905	22 50	1 74	3 63	27 87	59,146,600	.00544
1906	22 63	1 92	3 45	28 00	60,371,500	.00546
1907	22 93	2 04	3 65	28 62	61,527,750	.00554
1908	24 21	2 17	3 65	30 03	63,158,400	.00578
1909	24 06	1 76	3 66	29 48	63,659,210	.00575
1910	23 05	2 03	3 59	28 67	66,376,338	.00559
1911	23 50	1 95	3 62	29 07	67,284,066	.00552

TABLE 6.—AMOUNT SPENT ANNUALLY FOR ALL SCHOOL PURPOSES

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes.
1886	\$15,515	\$8,706	\$99,865	\$114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282
1896	61,016	33,240	204,743	298,999
1897	46,621	20,507	223,273	290,400
1898	49,983	21,274	233,465	304,722
1899	72,516	15,637	244,915	333,068
1900	51,232	21,745	260,403	333,380
1901	49,203	11,000	280,796	340,999
1902	56,501	13,079	286,747	356,327
1903	59,822	12,261	304,946	377,029
1904	23,703	18,209	315,904	357,816
1905	51,987	8,306	321,677	381,970
1906	38,457	11,951	329,346	379,754
1907	31,804	18,008	340,852	390,664
1908	18,271	17,792	365,151	401,214
1909	828	21,195	366,149	388,172
1910		21,864	371,222	393,086
1911	7,149	18,911	371,579	397,639

TABLE 7.—POPULATION AND SCHOOL CENSUS.

1842 . . 1,013	1885 . . 29,992	1905 . . 69,272
1850 . . 3,540	1890 . . 40,117	1906 . . 70,875
1860 . . 8,025	1895 . . 52,200	1907 . . 72,000
1865 . . 9,366	1900 . . 61,643	1908 . . 75,500
1870 . . 14,693	1901 . . 63,000	1909 . . 75,500
1875 . . 21,594	1902 . . 65,273	1910 . . 77,236
1880 . . 24,985	1903 . . 67,500	1911 . . 78,000

School Census.

No. of children between 5 and 15 years of age October 1,

	1910.	1911.	Change.
Ward 1	2,001	2,038	+ 37
Ward 2	2,721	2,687	—34
Ward 3	1,003	994	—9
Ward 4	951	1,067	+116
Ward 5	1,958	1,943	--15
Ward 6	2,022	2,074	+52
Ward 7	1,456	1,955	+499
Total	12,112	12,758	+646
In public schools	10,201	10,050	—151
In private schools	1,722	1,757	+35
Out of school	912	1,027	+115
Total	12,835	12,834	—1

Number of compulsory school age, 7 to 14:—

According to census, males	.	.	.	5,153	
females	.	.	.	5,125	
				<hr/>	10,278
In public schools, males	.	.	.	3,971	
females				3,831	
				<hr/>	7,802
In private schools, males	.	.	.	596	
females				693	
				<hr/>	1,289
					<hr/>
Total in school					9,091
				1910.	1911.
Number of illiterate minors	.	.	.	17	32
Children under 7 out of school				780	893
" between 7 and 14 out on account					
of sickness	.	.	.	40	35
" 14 years old at work	.	.	.	92	99
Total number out of school	.	.	.	912	1,027

TABLE 8. — ATTENDANCE OF THE PUBLIC SCHOOLS, 1911.

Rooms Occupied in December.	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in January.	No. Attending in December.	Average No. to Classroom in December.
39	High . . .	1,845	1,717	1,632	95.3	1,765	1,781	29.7*
12	Prescott . . .	629	503	475	94.3	512	518	43.2
13	Knapp . . .	637	529	502	95.0	562	495	38.8
12	Pope . . .	581	490	464	94.7	518	484	40.3
10	Bell . . .	546	469	443	94.4	497	444	44.4
11	Edgerly . . .	549	475	447	94.2	489	486	43.8
13	Glines . . .	710	551	521	94.4	583	544	42.0
16	Forster . . .	848	691	650	94.0	711	713	44.6
16	Bingham . . .	870	730	683	93.5	731	742	46.4
16	Carr . . .	759	668	625	93.6	681	667	41.7
11	Morse . . .	573	473	449	95.0	494	465	42.0
10	Brown . . .	549	431	407	94.4	440	442	44.2
12	Highland . . .	594	533	514	96.4	539	546	45.5
15	Hodgkins . . .	741	641	615	96.0	633	628	45.0
10	Bennett . . .	556	466	433	92.9	484	448	44.8
10	Hanscom . . .	594	449	402	89.5	447	479	45.1
7	Proctor . . .	399	302	282	93.4	328	287	41.0
8	Burns . . .	403	313	297	94.9	321	338	42.3
8	Lowe . . .	474	327	306	93.3	356	327	40.8
6	Baxter . . .	354	244	230	94.0	264	232	37.5
6	Perry . . .	308	236	222	94.1	242	250	41.7
4	Cummings . . .	197	194	179	90.5	141	158	39.5
4	Durell . . .	226	160	150	93.3	166	155	38.8
4	Lincoln . . .	284	211	199	94.1	190	191	38.2
1	Atypical . . .	20	15	13	89.4	17	15	....
3	Boys' Industrial . . .	50	40	35	87.9	43	42	....
4	Girls' Industrial . . .	5	13	11	84.6	0	46	....
281	Total for 1911	14,301	11,871	11,186	94.2	12,154	11,923	42.9
281	Total for 1910	14,481	12,131	11,435	94.3	12,706	12,059	43.4

* Per teacher.

TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 7, 1910, TO JUNE 23, 1911.

	Latin.	English.
Number of teachers, including head masters .	18	45
Number of days school kept	185	185
Number enrolled	641	1,247
Average number belonging	588	1,133.8
Average daily attendance	563.7	1,058.9
Per cent. of attendance	95.9	95.1
Tardiness	551	681
Dismissals	350	173
In Class I. September, 1910	198	400
June	177	322
Per cent. of loss	10.6	19.5
In Class I-A February, 1911	23	58
June	19	51
Per cent. of loss	17.4	12.1
In Class II. September, 1910	187	329
June	171	274
Per cent. of loss	8.6	16.7
In Class III. September, 1910	97	263
June	90	245
Per cent. of loss	7.2	6.8
In Class IV. September, 1910	122	188
June	117	173
Per cent. of loss	4.1	7.9
Special students, September, 1910	2	8
June	2	6
Total, September, 1910	629	1,246
June	576	1,071
Per cent. of loss	8.4	14
Number of graduates, male	52	73
Number of graduates, female	61	91
Total	113	164
Average age, male graduates	18-6	19-2
Average age, female graduates	18-4	18-7
Number entering college	61	10
Number of graduates entering technical schools .	0	12
Number of graduates entering normal schools .	5	5
Cost of instruction	\$23,003 75	\$50,582 50
Cost of supplies	1,578 47	6,238 11
Total cost	24,582 22	56,820 61
Per capita cost of instruction	39 12	44 61
Per capita cost of supplies	2 68	5 50
Total cost per capita	41 80	50 11

TABLE 10.—PUPILS BY GRADES, December, 1911.

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Average Age, Dec. 15.		Never in First Grade Before.	From Other Schools in City.	From Other Schools.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.			
			Regular.	Assistants.								
High	Special . . .	....	....	....	6	9	15	19	1	....	....	....
"	Thirteenth . .	....	....	....	107	205	312	18	4	....	....	5
"	Twelfth . . .	....	....	....	170	208	378	17	5	....	....	13
"	Eleventh . . .	....	....	....	186	230	416	16	1	....	....	20
"	Tenth . . .	....	....	....	308	352	660	15	4	....	601	48
	Total . . .	21	41	....	777	1,004	1,781	....	....	....	....	86
Grammar	Ninth . . .	12	21	....	373	403	776	14	4	....	31	31
"	Eighth . . .	....	22	....	439	475	914	13	7	....	69	63
"	Seventh . . .	....	25	1	535	541	1,076	12	8	....	157	103
"	Sixth . . .	....	29	1	638	601	1,239	11	9	....	216	132
"	Fifth . . .	....	26	....	601	605	1,206	10	8	....	228	142
"	Fourth . . .	....	29	3	660	630	1,290	9	8	....	302	148
	Total gram-mar . . .	12	152	5	3,246	3,255	6,501	....	....	....	1,003	619
Primary	Third . . .	....	32	....	673	641	1,314	8	7	....	132	169
"	Second . . .	....	22	....	462	462	924	7	11	1	162	183
"	First . . .	....	28	1	564	519	1,083	6	10	946	946	126
	Total pri-mary . . .	....	82	1	1,699	1,622	3,321	....	....	947	1,240	478
	Total gram-mar and primary .	12	234	6	4,945	4,877	9,822	....	....	947	2,243	1,097
	Kindergarten .	....	4	3	116	101	217	5	7	....	....	....
	Special teach-ers	4	5	....	....	....	....	....	....	....	....	....
	Cadets . . .	....	2	....	....	....	....	....	....	....	....	....
	Atypical . . .	....	1	....	12	3	15	....	....	....	....	....
	Boys' Industrial	3	1	....	42	....	42	....	....	....	....	....
	Girls' Industria	...	6	....	....	46	46	....	....	....	....	....
	Grand total .	40	294	9	5,892	6,031	11,923	....	....	947	2,844	1,183
	Total 1910 .	41	288	10	6,013	6,046	12,059	....	....	521	2,117	1,183

TABLE 11. — PUPILS IN HIGH AND GRAMMAR SCHOOLS.—1911.

	High School.	Grammar and Primary Schools.	Kinder- gartens.	Industrial School for Boys.	Industrial School for Girls.	Atypical School.	Total.
Annual enrollment	1,845	11,970	411	50	5	20	14,301
Average membership	1,717	9,851	196	40	13	15	11,871
Average attendance	1,632	9,322	173	35	11	13	11,186
Per cent. of attendance	95.3	94.2	88.2	87.9	84.6	89.4	94.2
Number cases of tardiness	1,502	3,857	...	555	51	52	6,017
Number cases of dismissal	548	2,363	...	110	..	6	3,032
Number cases of punishment . . . . .	....	270	...	1	..	1	272
Membership, January, 1911	1,765	10,130	190	43	..	17	12,154
Membership, December, 1911	1,781	9,822	217	42	46	15	11,923

TABLE 12. — NUMBER OF PUPILS ADMITTED TO GRADE I
IN FEBRUARY AND SEPTEMBER.

SCHOOL.	1907.	1908.	1909.	1910.	1911.	SCHOOL.	1907.	1908.	1909.	1910.	1911.
Prescott . .	61	33	35	27	38	Forster . .	77	73	63	20	65
Hanscom . .	39	75	42	50	99	Bingham . .	70	84	88	29	83
Davis . . .	39	35	41	.....	.....	Carr	64	65	64	.....	64
Bennett . .	94	99	92	76	83	Morse . . .	53	57	55	29	46
Baxter . . .	59	46	62	29	28	Proctor . . .	48	55	47	20	46
Knapp . . .	35	39	41	25	35	Durell . . .	43	38	37	12	57
Perry . . .	51	42	52	20	30	Burns . . .	48	45	55	14	46
Pope	28	30	39	17	34	Brown . . .	57	73	63	27	60
Bell	35	38	21	.....	22	Highland . .	.....	.....	.....	.....	.....
Cummings .	40	34	45	26	41	Hodgkins . .	43	54	52	17	31
Edgerly . .	39	33	35	.....	32	Lincoln . . .	52	57	50	25	75
Glines . . .	63	60	60	29	51	Lowe	72	93	83	29	67

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1911.

SCHOOLS.	Number receiving Diplomas.	Number certificated for High School.		Number entering High School.	
		Conditionally.	Unconditionally.	Conditionally.	Unconditionally.
Prescott	35	2	28	1	27
Knapp	82	1	60	1	55
Pope	43	9	42	4	28
Bell	69	3	51	2	45
Edgerly	48	2	43	2	39
Glines	75	5	68	4	55
Forster	82	8	73	5	64
Bingham	37	6	28	1	23
Carr	59	12	40	10	28
Morse	63	10	39	6	39
Brown	46	4	34	4	34
Highland	93	3	87	1	71
Hodgkins	73	6	55	5	55
Total	805	71	648	46	563

TABLE 14.—TRUANT STATISTICS

FOR A SERIES OF YEARS.

	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.
No. of visits of officer to schools	429	567	511	474	401	787	617	771
Absences investigated . . .	387	514	502	499	655	1,185	1,600	1,953
Cases of truancy	146	150	151	94	155	265	296	402
Truants arrested	8	7	11	14	11	5	11	12
Sent to truant school	5	4	6	9	6	2	3	8
No. now in truant school . .	5	8	10	18	15	14	13	15

TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, FROM OCTOBER, 1910, TO MARCH, 1911.

		Bell.	Highland.	Total.
Enrolled	Male	529	80	609
	Female	86	32	118
	Total	615	112	727
Ave. membership	Male	178	48	226
	Female	44	18	62
	Total	222	66	288
Ave. attendance	Male	133	37	170
	Female	30	15	45
	Total	163	52	215
Per cent. Att. out of No. belonging . . . . .	. . .	73.4	78.7	74.6
Per cent. Att. out of No. enrolled . . . . .	. . .	26.5	46.4	29.5
Ave. No. of teachers	Male	2	1	3
	Female	14	3	17
	Total	16	4	20
No. of sessions . . . . .	. . .	79	79	158
Teachers, cost of . . . . .	. . .	\$2,453.50	\$613.00	\$3,066.50
Janitors, supplies and light, cost of . . . . .	. . .	423.95	154.92	578.87
	Total	\$2,877.45	\$767.92	\$3,645.37
Cost per pupil per evening . . . . .	. . .	\$0.223	\$0.187	\$0.107
Cost per evening . . . . .	. . .	36.42	9.72	23.07
Cost per pupil in ave. membership . . . . .	. . .	12.96	11.64	12.66
Cost per pupil in ave. attendance . . . . .	. . .	17.65	14.77	16.96

TABLE 15 (Concluded).—Evening High School, Season of 1910-1911.

	Male.	Female.	Total.
Enrolled	481	361	842
Average membership	320	215	535
Average attendance	203	158	361
Number of teachers.....	13	10	23
Number of sessions.....		59	
Cost of instruction.....		\$4,074.00	
Cost of supplies and light.....		1,009.90	
Total cost		\$5,083.90	
Cost per pupil per evening.....		0.238	
Average attendance: October, 477; November, 408; December, 367; January, 325; February, 278; March, 311.			

Statistics of Evening Schools for a Series of Years.

		No. Sessions.	Enrollment.	Average Attendance.	Cost.	Cost Per Pupil Per Evening.
High*	1900-1901 . .	48	192	79	\$1,433	\$0 378
	1901-1902 . .	46	211	99	1,424	0 316
	1902-1903 . .	47	178	78	1,331	0 379
	1903-1904 . .	48	191	74	1,378	0 388
	1904-1905 . .	74	762	224	6,699	0 404
	1905-1906 . .	93	605	154	5,548	0 387
	1906-1907 . .	77	631	177	4,802	0 352
	1907-1908 . .	56	614	295	4,009	0 243
	1908-1909 . .	58	710	314	4,205	0 231
	1909-1910 . .	57	766	337	4,615	0 240
	1910-1911 . .	59	842	361	5,083	0 238
Elementary	1900-1901 . .	74†	612	220	\$3,809	\$0 232
	1901-1902 . .	75	700	260	5,452	0 279
	1902-1903 . .	86	741	264	5,857	0 257
	1903-1904 . .	92	859	333	7,286	0 237
	1904-1905 . .	75	747	329	6,088	0 247
	1905-1906 . .	84	698	324	6,303	0 233
	1906-1907 . .	76	917	328	5,313	0 213
	1907-1908 . .	75	918	363	5,248	0 193
	1908-1909 . .	78	763	290	4,637	0 205
	1909-1910 . .	76	707	267	4,399	0 217
	1910-1911 . .	79	727	215	3,645	0 107

*Drawing school only until 1904-1905.

†Average of four schools.

TABLE 16.—GRAMMAR SCHOOL GRADUATES
FOR A SERIES OF YEARS.

YEAR.	Prescott.	Bell.	Forster.	Morse.	Highland.	Edgerly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Bingham.	Brown.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School.	Per cent. Entering of those Graduating.
1890	54	106	45	56	57	39	36	39	45	27	38			318	6,062	5.24	184	57.86
1891	44	73	41	55	44	49	36	38	41	35	33			296	6,085	4.90	199	67.23
1892	41	36	75	49	45	46	36	38			36			370	6,525	5.67	228	61.62
1893	40	60	48	63	67	36	35	32			47			398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41	35	32			389			374	6,600	5.89	253	65.04
1895	36	32	58	63	73	42	36	34			370			370	6,955	5.37	255	68.18
1896	38	34	72	38	70	46	37	35			368			382	7,201	5.13	273	76.00
1897	34	39	50	48	41	29	30	25	45	27	38			368	7,602	4.84	281	74.19
1898	36	43	31	46	36	50	36	28	41	35	38			468	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	33			434	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	34	42	36	36			497	8,689	4.99	317	74.80
1901	34	38	70	43	72	47	48	38	41	35	51			484	8,811	5.64	372	70.40
1902	41	48	61	45	67	46	35	31	32	40	47			497	9,328	5.33	350	73.14
1903	34	45	62	35	65	51	28	34	52	31	43			512	9,362	5.17	367	76.40
1904	31	35	84	46	79	44	36	38	40	36	58			606	9,739	5.26	463	77.40
1905	40	40	74	44	85	42	44	48	61	40	43			640	10,298	5.88	474	74.10
1906	35	54	67	44	109	49	36	56	58	40	60			725	10,209	6.22	561	77.40
1907	37	62	67	44	126	81	36	66	59	62	58			742	10,440	6.94	551	74.26
1908	44	51	71	71	88	50	64	70	61	42	66			741	10,410	7.13	546	73.68
1909	27	59	73	44	95	82	48	80	55	43	66			748	10,582	7.00	521	70.12
1910	30	53	72	48	96	68	56	82	62	32	57			805	10,451	7.10	609	75.65
1911	35	69	82	63	93	48	43	82	73	75	59				10,101	7.97		
	823	1,101	1,387	1,090	1,568	1,042	799	906	761	607	649	247	179	11,159	188,454	5.93	8,024	71.90

TABLE 17. — ATTENDANCE STATISTICS

FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership.	Average Attendance.	Per cent. of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377
1896	10,582	8,077	7,663	94.9	2,743	0.358
1897	11,293	8,589	8,144	94.8	2,486	0.305
1898	11,577	9,085	8,636	95.1	2,941	0.341
1899	11,975	9,502	8,965	94.3	2,566	0.286
1900	12,345	9,823	9,174	93.4	2,759	0.300
1901	12,499	9,991	9,350	93.6	2,937	0.294
1902	13,116	10,402	9,733	93.5	3,335	0.343
1903	13,475	10,719	10,056	93.9	3,428	0.342
1904	13,804	11,094	10,422	93.9	3,887	0.373
1905	14,296	11,543	10,897	94.4	3,746	0.344
1906	14,551	11,762	11,069	94.1	4,046	0.366
1907	14,802	11,909	11,166	93.8	4,170	0.373
1908	15,105	12,159	11,458	94.2	3,882	0.344
1909	15,363	12,423	11,666	93.9	4,422	0.379
1910	14,481	12,131	11,435	94.3	4,320	0.378
1911	14,301	11,871	11,186	94.2	6,017	0.538

TABLE 18.—MEMBERSHIP, ETC., OF HIGH SCHOOL
FOR A SERIES OF YEARS.

YEAR.	Average Membership all Schools.	Largest Number in High School.	Per cent. of Average Membership of all Schools.	Number of Graduates of High School.	Per cent. of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21
1896	8,077	858	10.62	119	1.47
1897	8,589	885	10.31	121	1.59
1898	9,085	890	9.80	130	1.43
1899	9,502	985	10.70	137	1.49
1900	9,823	1,031	10.49	131	1.33
1901	9,991	1,098	10.99	152	1.52
1902	10,402	1,138	10.94	164	1.58
1903	10,719	1,208	11.27	181	1.70
1904	11,094	1,286	11.60	179	1.61
1905	11,543	1,372	11.89	211	1.83
1906	11,762	1,473	12.52	208	1.77
1907	11,909	1,614	13.55	223	1.87
1908	12,159	1,707	14.04	235	1.93
1909	12,423	1,828	14.71	265	2.13
1910	12,131	1,796	14.80	266	2.20
1911	11,871	1,836	15.47	277	2.33

TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING JUNE 23, 1911.

GRADE.	On June Promo- tion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped back after Three Months' Trial.
I	884	750	32	102	26	67	..
II	1,252	1,021	80	151	95	94	1
III	1,295	1,091	102	102	102	110	11
IV	1,226	994	135	97	139	115	11
V	1,236	1,036	133	67	138	147	10
VI	1,133	860	173	100	87	105	9
VII	1,036	817	164	55	109	68	8
VIII	878	691	140	47	112	82	4
IX	822	696	101	25	45	42	3
Total	9,762	7,956	1,060	746	853	830	57

Percentage of Promotions for School Year Ending June 23, 1911.

GRADE.	On June Promo- tion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped Back after Three Months' Trial.
I	100	84.9	3.6	11.5	2.9	7.6	...
II	100	81.6	6.4	12.0	7.6	7.5	0.08
III	100	84.3	7.9	7.8	7.9	8.5	0.8
IV	100	81.1	11.0	7.9	11.3	9.4	0.9
V	100	83.8	10.8	5.4	11.2	11.9	0.8
VI	100	75.9	15.3	8.8	7.7	9.3	0.8
VII	100	78.9	15.8	5.3	10.5	6.5	0.8
VIII	100	78.7	15.9	5.4	12.7	9.3	0.4
IX	100	84.6	12.3	3.1	5.5	5.1	0.4
Average	100	81.5	10.8	7.7	8.7	8.5	0.6

TABLE 19 (Concluded).—PROMOTIONS FOR SCHOOL YEAR IN THE HIGH SCHOOLS FOR YEAR ENDING JUNE 23, 1911.

									On June Promotion List.	Promoted to Next Grade.	Left Behind.	Repeating Work.
Grade	X	.	.	.	.	.	.	.	462	425	37	30
	XI	.	.	.	.	.	.	.	469	416	53	20
	XII	.	.	.	.	.	.	.	318	296	22	12
	XIII	.	.	.	.	.	.	.	283	277	6	4
	Total	.	.	.	.	.	.	.	1,532	1,414	118	66

Percentage of Promotions for School Year in High Schools, Ending June 23, 1911.

									On June Promotion List.	Promoted to Next Grade.	Left Behind.	Repeating Work.
Grade	X	.	.	.	.	.	.	.	100	92.0	8.0	6.5
	XI	.	.	.	.	.	.	.	100	88.7	11.3	4.1
	XII	.	.	.	.	.	.	.	100	93.1	6.9	3.8
	XIII	.	.	.	.	.	.	.	100	97.9	2.1	1.4
	Average	.	.	.	.	.	.	.	100	92.3	7.7	4.3

TABLE 20.—RESIGNATIONS OF TEACHERS, 1911.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
Latin	George L. Baxter	June 30, 1911	44 years
English	Nina A. Cummings	" " "	8 years
"	Cara F. Dillingham	Jan. 30, "	1 yr. 5 mos.
"	Bertha P. Marvel	June 30, "	12 years
"	Frederick O. Smith	Feb. 24, "	6 yrs. 6 mos.
"	Stephen E. Wright	June 30, "	2 years
Bell	Maribelle Curtis	Sept. 25, "	16 yrs. 1 mo.
Forster	Mary M. Badger	Nov. 30, "	3 yrs. 3 mos.
"	Mabel G. Delano	June 30, "	10 years
Carr	Helen C. Gray	" " "	5 yrs. 9 mos.
Proctor	Clara M. Hammond	" " "	8 yrs. 3 mos.
Burns	Minnie S. Turner	" " "	21 yrs. 5 mos.
Brown	Edna M. Proctor	" " "	10 years
Highland	Charlotte Canfield	" " "	2 years
"	Katie D. Greenleaf	Nov. 29, "	3 years
"	Edda C. Locke	June 30, "	3 yrs. 6 mos.
"	Aaron B. Palmer	" " "	6 years
Died			
Hanscom	Emma B. Jones	May 27, 1911	5 years.
Bennett	Annie E. McCarty	Nov. 15, "	31 yrs. 3 mos.

TABLE 21 —TEACHERS ELECTED IN 1911.

SCHOOL.	Teacher.	Coming From.	Began Service.	Salary.
English . .	Hattie May Baker	Bellows Falls, Vt.	Feb. 1911	\$700
English . .	Walter I. Chapman	Attleboro	Sept. 6, "	1,300
English . .	Clarence L. Foster	Berlin, N. H.	Feb. "	1,000
High . . .	Bertha Bray	Chicopee	Sept. 6, "	800
High . . .	Mildred W. Clark	Cambridge	Sept. 6, "	600
High . . .	Arthur W. Wathen	Mt. Vernon, N. H.	Sept. 6, "	700
Prescott . .	May C. Eaton	Manchester	Sept. 6, "	700
Hanscom . .	Alice M. Saben	{ Transfer'd from Bennett Kgn.		525
Hanscom and Bennett }	Elizabeth M. Collins	{ Made Supervising Principal of	Jan. 1, 1912	1,300
Bennett . .	Bertha T. Moore	Brookline	Sep. 6, 1911	700
Knapp . . .	Nona E. Blackwell	Somerville	Sept. 1906	600
Knapp . . .	M. Edith Callahan	Winchendon	Feb. 21, '10	650
Knapp . . .	Bessie N. Page	Brockton	Sep. 6, 1911	700
Bell	Julia A. Simmons	Somerville	Oct. 17, "	650
Bingham . .	Mary E. Hughes	Revere	Sept. 6, "	700
Carr	Pearl F. Dame	Somerville	Sept. 1906	600
Burns . . .	Margaret D. Hellyar	Somerville	1899	650
Burns . . .	Eva E. Perkins	Old Town, Me.	Sep. 6, 1911	600
Brown . . .	Mary T. Ford	Salem Normal	Sept. 6, "	700
Brown . . .	Alice R. Gould	Hingham	March "	600
Brown . . .	Anna B. Lattin	Everett	Feb. 1910	600
Brown . . .	Frances D. Way	Attleboro	Sep. 6, 1911	600
Highland . .	Marion Allen	Danvers	Dec. 18, "	650
Highland . .	Frank W. Seabury	Danvers	Sept. 6, "	1,700
Lincoln . .	Olivia M. Woods	Everett	Sept. 1908	600
Industrial . .	N. E. Gillespie	Blake Mfg. Co.	Mar. 1911	1,000
Girls' Industrial . . .	Mary H. Brown	Boston	Sept. 6, "	1,600
Girls' Industrial . . .	Mary Donoghue	Boston	Oct. 16, "	800
Girls' Industrial . . .	Lucy Dorr	{ L. P. Hollander & Co.	Oct. 16, "	700
Girls' Industrial . . .	Marion P. Crawford	{ Transfer'd from Carr School	Nov. 1911	750
Girls' Industrial . . .	Cornelia B. Rodman	Boston	Oct. 16, '11	1,000
Drawing Supervisor }	Clara M. Gale	New Bedford	Sept. 6, "	900
Supervisor of Manual Arts }	Harry L. Jones	Somerville	Feb. 1911	300*

* In addition to salary as teacher in High School.

TABLE 21 (Continued).—ASSISTANTS IN SERVICE DECEMBER, 1911.

Hanscom . .	Agness M. Travis
Burns . . .	Mary C. Buck
Proctor . .	Annie Sanburn
Lowe . . .	
Bingham . .	Mary L. Ennis
Hodgkins . .	Elinor Neilon
Hodgkins . .	Julia T. Delay

CADETS.

Name.	High School and Year.	Normal School and Year.
Elizabeth M. Delay	Somerville English High, 1907	Framingham, 1911
Gladys A. Kingsley	Somerville English High, 1909	Bradford Academy, 1911

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

March 10, 1911, Mary E. Richardson, for remainder of school year ending June 30, 1911.

September 6, 1911, Bessie Sutton, until January 1, 1912.

October, 1911, Ethel F. Morang, for school year ending June 30, 1912.

September 6, 1911, Grace S. Russell, until January 1, 1912.

September 6, 1911, Grace J. Alexander, for school year ending June 30, 1912.

September 6, 1911, Edith G. Watts, for school year ending June 30, 1912.

TABLE 23.—TRANSFER OF TEACHERS.

TEACHERS.	From	To
Katherine Pike	Bennett	Carr
Lucia Alger	Bell	Cummings
Carrie T. Lincoln	Durell	Carr

TABLE 24.—NUMBER OF TEACHERS
FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in Charge of Room.	Men.	Women.	Total.
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189
1895	28	91	73	5	12	19	186	209
1896	30	102	74	6	14	22	208	230
1897	31	109	85*	6	18	22	227	249
1898	32	112	87*	7	13	23	229	252
1899	36	119	92*	7	9	23	240	263
1900	40	127	96*	7	6	24	249	273
1901	44†	130	94*	7	8	26	257	283
1902	45†	140	91*	7	9	26	266	292
1903	46†	143	96*	7	14	25	281	306
1904	48‡	152	98*	7	9	27	285	312
1905	48‡	153	100*	7	7	27	288	315
1906	54‡	157	99*	7	9	29	297	326
1907	57‡	160	97*	9	14	32	305	337
1908	58‡	164	97*	10	16	34	311	345
1909	59‡	166	99*	10	16	36	314	350
1910	63‡	165	87*	13	11	41	298	339
1911	62‡	164	86*	20	11	40	303	343

* Including four kindergartners,

† Including two secretaries,

‡ Including one secretary.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1911.

For Evening Schools.

As text-books.

The New American Citizen, Frances S. Mintz...Macmillan Company

For High Schools.

As reference books.

Government of the United States, Guitteau,
Houghton Mifflin Company
The Economic History of the United States, Bogart,
Longmans, Green & Co.
Elements of Economics, Bullock.....Silver, Burdett & Co.

As text-books.

German Composition, Paul R. Pope.....Henry Holt & Co.
Im Vaterland, Paul V. Bacon.....Allyn & Bacon
English Composition, Charles Lane Hanson.....Ginn & Co.
Enlarged Practice Book in English Composition, Alfred M. Hitch-
cockHenry Holt & Co.
A Spanish Grammar, Hills and Ford.....D. C. Heath & Co.
A Practical Course in Touch Typewriting, Charles E. Smith,
Isaac Pitman & Sons

Latin High School Graduates.

Mabelle Louise Blaser.
Dorothy Geierstein Bonney.
Florence Cornelia Bowen.
Mildred Grace Brown.
Charlotte Marie Cann.
Marion Hope Carpenter.
Ethel Nickerson Carr.
Ethel Vose Chisholm.
Marion Eleanor Clough
Hazel Reid Cobb.
Bessie Sara Cohen.
Mabel Gertrude Cohen.
Alice Elizabeth Cummings.
Ruth Cummings.
Elizabeth Agnes Currie. •
Julia Frances Currier.
Anna Louise DeAvellar.
Dorothy Derby.
Ethel May Dooley.
Ruth Bragdon Dunbar.
Marion Frances Estee.
Christine Elizabeth Evarts.
Helen Thyrsa Field.
Florence Elizabeth Fox.
Edith May Gardner.
Ruth Anna Gillis.
Mary Elizabeth Golden.
Katherine Elizabeth Griffin.
Annie Louise Gullion.
Gladys Balch Hastings.
Beatrice Anne Heckbert.
Gertrude Mellen Hooper.
Ellen Gertrude Hopkins.
Elizabeth Jacobs.
Helen Marie Kaula.
Miriam Reed Kingman.
Edna Florence Knight.
Palmyra Mary Lemos.
Margaret Elizabeth McDonald.
Julia Estelle Merrill.
Ruth Atherton Merrill.
Lillian Shurtleff Moore.
Agnes Catherine Muldoon.
Mary Theresa Muldoon.
Hazel Valentine Paris.
Ethel Lorinda Peabody.
Ruth Brooks Peirce.
Grace Louise Perry.
Alice Reynolds.
Margaret Lillian Rich.
Grace Margaret Rockwell.
Henrietta Ethel Sargent.
Edith Catherine Stackpole.
Ruth Patience Stone.
Velma Belle Shrout.
Rosamond Tarleton.
Eleanor Pierce Turner.

Mildred Hastings Vinton.
Helen Weekes.
Ruth Lida Whitehouse.
Mildred Lothrop Winship.

Oliver Plunkett Arnold.
Winthrop Dale Barker.
Maxwell Fish Barnes.
Douglas Martyn Beers.
Norman Lauer Beers.
Mitchel Louis Bernson.
Raymond White Blanchard.
Stanley Bowlby.
James Lawrence Brown, Jr.
Richard Augustine Burke.
Earle Eddy Clough.
Russell John Coogan.
Frederick William Costa.
Robert Campbell Cowan.
Arthur Irving Donahue.
Walter Hazen Duncan.
Frank Henry Fallis.
Thomas Francis Fitzpatrick
John William Garrick.
Harold Edgar Giles.
Walter Everett Graves.
Clayton Marden Hager.
Ralph Dudley Harrington.
Herford Carter Hartwell.
George Alexander Haskell.
Clarence Lee Hoyt.
John Henry Marshall.
George Harold Martin.
Malcolm Royal McKenny.
John Medina, Jr.
William Joseph Meskill.
Melvin John Messer, Jr.
Laurence MacLean Middlemas
Carl Wallace Miller.
Norville Livingstone Milmore.
Parker Newhall.
John Francis O'Donoghue.
Arthur Olson.
Ralph Oliver Phillips.
Cameron Brooks Reed.
Theron John Reed.
Matthew Lawrence Ring.
Edward Mathes Robinson.
Ira Augustus Russ.
Homer Aaron Sargent.
William Andrew Sharp.
John Berchmans Sheerin.
Irving Proctor Taylor.
Phillips Tead.
Andreas Henry Tomfohrde.
Donald Hay Whitney.
Arthur Phillips Williams.

English High School Graduates.

Mildred Evelyn Anderson.	Helen Kathryn Miller.
Hazel Loraine Baker.	Mary Louise Morris.
Loretta Martina Baker.	Emily Powell Morton.
Marion Imogene Blair.	Esther Nickles.
Fannie Reynolds Bloomer.	Sara Marie Nolan.
Marjorie Evangeline Boss.	Ethel May Orcutt.
Susie Bowman.	Nettie Irene Patten.
Maizie Elizabeth Bradley.	Mary Frances Pecheur.
Margaret Mary Breen.	Ilene Catherine Ritchie.
Viola Alberta Brittain.	Mary Barrows H. Robertson.
Ruth Ulrina Burns.	Marion Louise Ronan.
Gladys Adeline Cameron.	Ruth Evelyn Sargent.
Zillah Campbell.	Gertrude Alice Saunders.
Laura Belle Chase.	Bernice Claire Scott.
Emma Lena Clark.	Ethel Mae Sherman.
Florence Regina Cole.	Beulah Elizabeth Sprague.
Stella Emelia Conti.	Marguerite C. E. Stetefeld.
Mary Eliza Cutler.	Rachel Adelaide Stevenson.
Donna Beatrice Damrell.	Helena Ward Stockford.
Louise Frances Deady.	Ethel Florence Strom.
Mary Josephine Dewire.	Charlotte May Swallow.
Sara Eliza DeWolf.	Jane Austin Thomas.
Ruth Heminway Dillon.	Edna Caroline Tomfohrde.
Bessie Pearl Doctoroff.	Edith Evelyn Trickey.
Mary Gertrude Donnelly.	Mary Josephine Turnbull.
Ruth Adeline Donnelly.	Winnifred Catherine Waugh.
Meta Pearl Eisenhauer.	Gladys Eleanor Wells.
Winifred Mabel Eldredge.	Marion Frances Wilson.
May Theresa Frisbee.	Amy Beach Wood.
Mary Louise Gallagher.	Elsie Lillian Wyman.
Eliza Karekin Giragosian.	Irma Beatrice Young.
Catherine Eleanor Glynn.	Ruth Lee Young.
Ida Golden.	
Elsie Flavilla Graves.	Chester Samuel Anderson.
Janet Matson Anderson Grieve.	Norman Stanley Atwood.
Edith Emery Hagan.	Bagdasar Krekor Baghdigian
Marion Lovina Heath.	Percy William Baker.
Katherine Teresa Hickey.	Lester Whiting Ball.
Gladys Estelle Hopkins.	Harry Burton Benson.
Mae Agnes Hughes.	John Carl Berquist.
Lottie Louise Hunt.	Frank Conant Berry.
Selina Abigail Hunt.	Lawrence Wenzell Bickford.
Gertrude Isabella Innes.	Walter Donald Bloomer.
Esther Maria Johnson.	Everett James Boothby.
Mildred Hadley Jones.	Leroy Gile Brackett.
Rachel Elizabeth Kilgore.	Fred Arthur Calkin.
Helen Torrey Lamb.	George Edward Chandler.
Helen Hewitt Linnell.	Wilfred Warren Chandler.
Olive Eleanor Long.	Vernal Lincoln Chapman.
Vera Ethel Macdougall.	Charles Moore Clarke.
Mary Gertrude Madigan.	Edward Harold Cole.
Theresa Magnusson.	Charles Dennis Collins.
Mary Loretta Mahoney.	Raymond Alonzo Cushing.
Elizabeth Susan Mazoni.	Samuel Ernest Cutler.
Marguerite Mary McCarthy.	Lester Winthrop Dearborn.
Marie Marguerite McCarthy.	Robert Earl Dickson.
Katherine E. McDonough.	Howard Walter Eaton.
Agnes Josephine McNeil.	Raymond Henry Farr.
Amy Frances Merrill.	William Harmon Farrow.

Ernest Morton Fisher.
 Joseph Samuel Fogerty.
 Erving Nelson Fox.
 John Smith Fyfe.
 John White Glover.
 Edward Loron Graves.
 Charles Emory Hamann.
 Walter Scott Hamilton.
 Laurence Rockwell Heath.
 Carl Nestor Holmes.
 Leslie Edgar Knox.
 John Warren Laurie.
 Arthur Whiting Leighton.
 Minott White Lewis.
 James Joseph Lynch.
 John Edward Lynch.
 Roy Vincent Macdougall.
 Frederick Stanley Morison.
 James Alexander Morrison.
 Robert Stuart Murdoch.
 Walter Lawrence Murphy.
 Edwin Waldemar Nelson.
 Harry Dadman Nelson.
 John Austin Pierce.

Otis Roberts Prior.
 Denton William Randall.
 Everett Lenox Reed.
 Herbert Fellows Rich.
 Clayton Earle Robinson.
 George Francis Rose.
 Francis William Rourke.
 Walter Eldon Sidebottom.
 Harry Bennett Smith.
 Earl Frederick Snow.
 Frank Charles Stackpole.
 Frederick Walter Stetson.
 Alfred Bernard Sullivan.
 Walter Daniel Sullivan.
 William John Tattan.
 Horace Prescott Tucker.
 Harold Sumner Turner.
 Arthur Scott Waldron.
 Harry Ernest Waldron.
 Benjamin Alpheus Ward, Jr.
 Maitland Sylvester Wellington.
 Thomas Joseph Woods.
 Leigh Washburn Wright.

TABLE 27.—GRAMMAR SCHOOL GRADUATES.

Graduation exercises of the grammar schools were held in the several grammar school buildings on the afternoon of Wednesday, June 21. A short address, class singing, and awarding of diplomas constituted the programme.

Edgerly School.

Addie F. Allison.
 Edna D. Atwood.
 Gertrude L. Babson.
 Myron A. Bruce.
 William H. D. Cameron.
 Rina M. Collins.
 Martha J. Conway.
 Doris B. Cresto.
 Teresa R. Crocker.
 Helen E. Dearborn.
 Arthur Joseph DeCelles.
 Myra J. Eaton.
 Marion L. Frizzell.
 Nellie F. Fyler.
 Walter C. Glines.
 Anna Marion Haggens.
 Theodore I. Hall.
 Claire R. Hasty.
 Mary L. Hatton.
 Wilbur M. Hazen.

Forrest C. Hemeon.
 Ruth Marguerite Henriques.
 Ebba C. Johnson.
 Clarence I. Langdon.
 Norman J. MacLeod.
 Helen Rosaline Milne.
 Annie E. Murray.
 Orilla M. Myott.
 Mildred Perry.
 Gladys L. Pierce.
 U. Esther Pineo.
 Doris May Powers.
 William L. Preston.
 Edwin F. Ray.
 Marion A. V. Shaw.
 Albert James Stackpole.
 Ralph B. Stewart.
 James M. Stuart, Jr.
 Lawrence W. Taylor.
 M. Irene Tobin.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Helen Elizabeth Anderson.
 Edna May DeCelles.
 Ruth Anna Gifford.
 Harold E. Hatch.

Blanche Muriel Hawkesworth.
 Agnes Patrick.
 Robert Scott, Jr.
 Walter Joseph Swett.

Pope School.

Warren Lincoln Adams.
 Henry C. Ashton.
 Lillian J. Ball.
 John Charles Bell.
 Margaret Bryan.
 George L. Callahan.
 Charles Robert Campbell.
 Margaret H. Campbell.
 Ethel G. Carvell.
 Margaret M. Cousens.
 Mary M. Daley.
 Harold Thayer DeLancey.
 Ernest Armand Giroux.
 Mildred B. Glawson.
 Annie Gertrude Haggie.
 George Joseph Healey.
 Gertrude M. Kelley.
 Lillian V. Kurth.
 Theodora T. Lima.

Catherine Helen MacPherson.
 Margaret Josephine McCauley.
 Walter E. McLean.
 Mildred Alice McQuinn.
 Alma Vera Oberbeck.
 Elmer Knapp Pilsbury.
 Rose C. Reardon.
 Dennis Regan.
 Annie Isabella Ryley.
 Mildred Sanderson.
 Alice Savransky.
 Mary E. Sears.
 Mary Josephine Siggins.
 Florence Edna Spaulding.
 Marie Katherine Thomas.
 Walter A. Towle.
 Richard G. M. Waters.
 Bernice M. Whitney.
 William John Wilson.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Florence G. Bowen.
 Aldred G. Evans.
 Eugene B. Frisby.

Selma M. Hannam.
 Richard W. Van Ummersen.

Carr School.

Evelyn C. Baker.
 Etella M. V. Boudreau.
 Inez F. Boudreau.
 Dorothy G. Bowers.
 Leo J. Brennan.
 Margaret Mary Brennan.
 Thomas W. Caless.
 Andrew Campbell.
 Catherine A. M. Collins.
 George F. Conway.
 Philip Edward Conway.
 Hazel A. Cook.
 Francis L. Coyne.
 George C. Davis.
 Henry Staniford Derby.
 Mabelle E. Dolan.
 Margaret C. Donovan.
 Edwin H. Down.
 George P. Down.
 Mary Agnes Dunleavy.
 Alice E. Fitzgibbon.
 Edward Fitzpatrick.
 Elizabeth A. Fitzpatrick.
 Harold Densmore Grant.
 Ruby A. Harper.
 Joseph T. Holmes.
 Wilfred L. Holmes.
 Jennie Louise Hunt.

Elmira L. Jordan.
 Ellen M. Kennedy.
 Louis Kreem.
 Alvina E. LeBlanc.
 Martha Perry Lincoln.
 George R. MacMaster, Jr.
 Elizabeth L. Maloney.
 Thomas Edward Meskill.
 George James Murphy.
 William M. Murphy.
 Arvid L. Olson.
 Elizabeth C. O'Neill.
 Beatrice E. Osborn.
 Mario J. Padovani.
 Olga H. Padovani.
 Manuel V. Parece.
 Lillian May Porter.
 Theresa A. Pratt.
 Gladys I. Rowell.
 Arthur Steeves.
 George O. Teakles.
 Marion B. Temple.
 Blanche M. Theriault.
 Hazel May Thorpe.
 Albert E. Watson.
 Esther G. White.
 Marion V. Wilson.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

William F. Bennett, Jr.
 Josephine A. Donahue.

Doris D. Farr.
 Agnes M. Hurd.

Brown School.

Guy Empson Boodry.
 Doris Bowman.
 Fred Burton.
 Dorothy Sayward Calder.
 George Sumner Catlin.
 Marion Burgess Dearborn.
 Benjamin T. Egan.
 Edward William Fudge.
 Cora Elizabeth Gay.
 Ralph Giles.
 Annie Irene Graves.
 Leslie Burnam Gretter.
 Mary Dorothea Griffin.
 Blanche Lillian Jolley.
 Sidney Perham Lapham.
 Helen Aloyse Mahoney.

Robert A. Mayer.
 Hazel M. Mitchell.
 Ethel Margaret Moffatt.
 Roland Arthur Moore.
 Jessie Belle Morrell.
 Esther Kathryn Murphy.
 Reta Edith Myers.
 Lucy Augusta Ohse.
 Russell Smith Palmer.
 Leo E. Phillips.
 Helen A. Roberts.
 Raymond Everett Saunders.
 Howard Errington Spencer.
 Karl Donaldson Whitmore.
 Ethel M. Wood.
 Frances Matthews.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

L. Helen Barnard.
 Jennie R. Bernson.
 Florence I. Bowdidge.
 Alice May Donovan.
 Eustace B. Fiske.
 Lillian Merle Hardy.
 Herbert Emanuel Lindgren.
 Lydia Mildred Lindgren.

Hazel F. Morrill.
 Daniel Joseph Norander.
 Elizabeth M. Parks.
 Edith M. Perry.
 Leola Frances Rametti.
 Eleanor J. Sutherland.
 Alma Joy Wood.

Morse School.

Howard F. Allen.
 Willard Day Allen.
 George Anderson.
 Ruth F. Bacon.
 Joseph J. Begley.
 Susan A. Begley.
 Frank H. Bertucci.
 James A. Bowe.
 Ralph M. Brooks.
 Francis W. Conway.
 Lutina L. Cunha.
 Antonio Damore.
 John E. Darcy.
 Dorothy Q. Dickinson.
 Ruth E. Donaldson.
 Harold Leslie Elwell.
 Rose M. Fenochetti.
 Abbie M. Fortunati.
 Umberto A. Fortunati.
 Francis John Gillis.
 Katharine A. Harrington.
 Charles F. Hasselgren.
 Agnes Heavern.
 Hattie Hemmerlin.
 Bertha Elvira Hyden.
 Warren A. Kennedy.
 William Kerr.
 Harold Albert Kullberg.
 David J. Lanigan.
 Irma MacLachlan.
 Grace E. Mahoney.

M. Gertrude McCarthy.
 Maurice E. McCarthy.
 Helen C. McDonald.
 William McLellan.
 Ethel G. McNeill.
 Charles H. Meserve.
 Hazel Thelma Moore.
 Beatrice B. Noonan.
 Laura Agatha Perron.
 Forrest L. Pitman.
 George J. Prentice.
 Martin T. Roberts.
 Leslie A. Russell.
 Minnie M. Schoenle.
 James C. Semple.
 Miriam A. Sherman.
 Beatrice L. Simmons.
 Albert L. Smith.
 Katharine Smith.
 Thomas P. Smith.
 Helen Snow.
 Ralph K. Snow.
 Amy E. Spratlin.
 Mildred W. Stevens.
 George H. Toomey.
 Robert J. Toomey.
 Harry E. Waugh.
 Ethel Hilder Werner.
 Madelene Stewart Wiley.
 Mabel Worcester.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Violette Ella Cann.

Margaret Mary Hanlon.

Hodgkins School.

William C. Allen.
 Frank O. Berg.
 Chester E. Berquist.
 Hugh G. Berquist.
 Anthony Bianchi.
 Madge Bishop.
 Melville B. Bowen.
 Mabel A. Boyd.
 Harold C. Breckenridge.
 Arthur G. Burtnett.
 Waldo B. Clark.
 Fred Crandall.
 Helen E. Crane.
 Thomas A. Cushman, Jr.
 Mabel L. Darrah.
 J. Merrill Davis.
 Isabel Dearborn.
 Herbert E. Farrow.
 Albert R. Fitch.
 Gordon B. Fitch.
 Hattie W. Fraser.
 Doris Greenwood.
 Stella R. Hart.
 Doris A. Haseltine.
 Gladys M. Hawes.
 Leslie G. Howe.
 Eleanor W. Jones.
 Ruth V. Jones.
 James C. Kellsey.
 Arthur H. Kirkpatrick.
 Edwin J. Lane.

Harold A. Lee.
 H. Bayfield Linkletter.
 Ilda J. MacLeod.
 Helen A. McCoubry.
 Estelle H. McLean.
 Lloyd A. Mason.
 Martin Mickelson.
 George H. Morison.
 Joseph A. Mulloney.
 Ralph Orne.
 Alan M. Painten.
 Marguerite W. Phelan.
 F. Pearl Proudfoot.
 Ethel H. Ramsdell.
 Charles Reed.
 Wadsworth Reeves.
 Alice E. Rice.
 Blanche L. Richards.
 Arthur L. Rondina.
 Orin Roundy.
 Mina Sherman.
 Chester N. Shaffer.
 Edwin W. Simmons.
 Elsie Simmons.
 Ethel L. Veinott.
 Theodore F. Walter.
 Marion A. Waltz.
 Alfred W. Watkins.
 Walter A. Wright.
 Mary Wylie.
 Marion M. Wyman.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Leonard E. Arkerson.
 John Chipman.
 Lucile M. Cobb.
 Carl G. Erickson.
 Myrton F. Evans.
 Olive F. Foster.

Lillian B. Fowler.
 Carita B. Hunter.
 Edna Noyes.
 Raymond C. Smith.
 Josephine F. Ungroski.

Prescott School.

Bessie Geneva Carpenter.
 John Leo Carroll.
 Ruth G. Chamberlin.
 Bernard L. Chapin.
 Francis H. Crowley.
 Maud E. Decker.
 Waldo P. Decker.
 Amy A. Fletcher.
 Margaret M. Flynn.
 Mary Ford.
 Grace O. Goodspeed.
 Pearl E. Graves.

Thelma Gray.
 John M. Hall.
 Matthew F. Hayden.
 Annie S. Henderson.
 Anne E. Howard.
 Grace L. Johnson.
 Warren F. Keeble.
 Charles T. McCaffrey.
 Alfred J. McGonnell.
 Joseph E. O'Donnell.
 Cecil L. Pingree.
 Emma J. P. Raymond.

Benjamin F. Robbins.
 Carl Stuart Rose.
 Guy A. Sampson.
 Eva Isabel Savage.
 Charles Theodore Schulz.
 Annie Mae Small.

Jennie C. Smith.
 Benjamin Harrison Stevens.
 Christina Olnier Thomas.
 Mary J. Thornton.
 Frank Tiernan.

Glines School.

Fred Paul Alletzhausser.
 Charles Rupert Ansell.
 Howard Clifton Atwood.
 Evelyn Lillian Bailey.
 Florence I. Barnes.
 Lillian Mary Basill.
 Nathan Benjamin.
 Gladys Nellie Blake.
 Arthur Elmer Brown.
 Alfred Arthur Cadario.
 William Joseph Cahalan.
 Mabel Campbell.
 Martha Frances Candage.
 Mary Helen Candage.
 Maria Stone Carreiro.
 Agnes Margaretta Carroll.
 Mabel Lillian Carroll.
 Charles Whiting Chase.
 Elsie Marie Chick.
 Mildred Josephine Chick.
 Ernest William Church.
 Mae Jackson Clouse.
 Lillian Cohen.
 Rosa Cohen.
 Alice May Dill.
 Edward F. Dixon.
 Janet Eastman.
 George Russell Estee, Jr.
 Albert R. Fallen.
 Catherine Agnes Finigan.
 Anna Lavinia Fisher.
 Belle Richmond Foster.
 Gardiner Newcomb Fretch.
 Gerard Friel.
 Ruth Gove Fuller.
 Catherine Giles.

Horace Edward Gillmore, Jr.
 Arthur Chester Gillon.
 Helen Louise Goudie.
 William Mark Hanna.
 Lillian Belle Henley.
 Ervin Lester Higgins.
 Marion Howe.
 C. Herbert Jefferson.
 Warren Bradbury Jennings.
 J. Bernice Jensen.
 Robert Burckes Jones.
 Anna Elizabeth Laforet.
 Isaac Lauren Laird.
 Beatrice Emily Leaker.
 Clarence Burlin Lord.
 Gertrude Mary Lynch.
 Ronald Scribner Macdonald.
 Abbie F. Marr.
 Raymond Joseph McCarthy.
 Ruth Agnes Miller.
 Charles Earl Herbert Moore.
 Ray Elmer Nichols.
 Arthur Balfour Nickerson.
 Grace E. Pfaff.
 William Harold Quinlan.
 Ethel Reed.
 Lewis A. Rich.
 Wylie Johnson Richardson.
 Harold Stephen Ryan.
 Lawrence Leo Shea.
 Horace Decater Snow.
 Grace Bond Summers.
 Thomas Hudson Taylor.
 Anna Sarah Walker.
 Margaret Wiley.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Leonard T. Baer.
 Clayton Cary Ellis.

Mason Bernard Fleming.
 Adele H. Milne.

Highland School.

James Ashman.
 Madeline Armond Ballard.
 Roy A. Berg.
 Hazel C. Bowe.
 Howard Vilno Blanchard.
 John Edward Brady.
 Evelyn J. Buckman.
 Cecilia Bullard.

Ina W. Caldwell.
 David A. Carlson.
 Royal A. Carman.
 Dorothy S. Collieson.
 Alice G. Crowe.
 Florence B. Dalton.
 Marguerite Danforth.
 Francis P. Downing.

Helen Louise Dwyer.
 Doris C. Engstrom.
 Maybelle Feindel.
 Irving W. Fillmore.
 Jean A. Finlayson.
 Granville H. Flagg.
 Mary Ellen Foley.
 Marion Ruth Foster.
 Raymond Carroll Gage.
 Clifford Keene Gillette.
 Sidney H. Given.
 Gustino Rose Gnecco.
 Dorothea Gray.
 Florence Hall.
 Harold E. Hamlin.
 Ella M. Hardy.
 Alice G. Harrison.
 Beatrice H. Hayden.
 Ernest L. Haywood.
 Eugene C. Henderson.
 Florence Herring.
 Alfred Hibbert.
 Richard H. Hopkins.
 Marion G. Hughes.
 Carrie M. Hutchins.
 Marjorie Jackson.
 Francis Erburn Keay.
 Paul J. Keenan.
 Naomi L. Keene.
 James Bryden Kellock.
 Joseph A. Kennedy.
 Charles B. Kendall.
 Frank H. Kimber.
 George H. Lane.
 Laura W. Lewis.

Thomas B. Marshall.
 Margaret V. Martin.
 Edith B. McCarthy.
 G. Stanley Miles.
 Olivia Mortensen.
 Mildred Muller.
 Ruby Adell Nelson.
 Almira B. Palmer.
 Olivette M. Pigott.
 Harold L. Pinkham.
 Kenneth C. Reynolds.
 Mary E. Ritchie.
 Angelina M. Santas.
 John C. Silver.
 Catherine G. Sharkev.
 Murial E. Shattuck.
 Myrtle E. Shattuck.
 Louise M. Skinner.
 Florence G. Smallwood.
 Hazel French Stanley.
 Lillian Stewart.
 Gertrude E. Tapper.
 Mildred Ruth Titus.
 Frank Clarence Travers.
 Fred E. Trefren.
 Elmer H. Trump.
 Mildred H. Twombly.
 Merrill G. Wallace.
 William Russell Warner.
 Howard Whitney Warren.
 Marie P. Washburn.
 Oscar A. Westerberg.
 Gladys F. Young.
 Grace S. Young.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Marguerite F. Atwood.
 Dorothy Blackall.
 Walter F. Coleman.
 Margaret F. Malcomson.

Flórence E. Marshall.
 Hazel H. Moore.
 Carl A. Tholander.
 Mae G. Weldon.

Knapp School.

Alma C. A. Aldridge.
 William Eliot Andersen.
 Peter J. Arnold.
 William Beattie.
 Harry Isadore Berman.
 Bertha Louise Blomquist.
 Alice Elizabeth Blouin.
 Elizabeth Anna Boggs.
 Arthur Laurence Bradley.
 George Joseph Bratton.
 Maxime Charles Brazeau.
 Elsie Macdonald Bremner.
 Elbridge Gerry Brooks.
 Catherine J. Burke.
 Lon Hamilton Burns.
 S. Mabel Carlin.

William Clarke.
 Thomas James Collins.
 Lucy Alinda V. Comfort.
 Margaret Veronica Conneilly.
 Herbert W. Corliss.
 Gregory James Cunningham.
 Rita Eleanor Dawson.
 Helen Gertrude Dewire.
 Ada M. Donnelly.
 Edward James Donovan.
 John P. Dromgoole.
 Lottie M. Eaton.
 Ella Pauline Evenson.
 Elsie Maude Everton.
 Benjamin Flayderman.
 Helena A. Forrest.

Rose Viola Friel.
 Grace Elizabeth Glynn.
 Evelyn M. Grady.
 Grace Evelyn Gummo.
 Josephine Wallingford Hill.
 Beulah Jennie Hoar.
 John Joseph Hogan.
 Jessie Esther Hozid.
 Ella May Hudson.
 Mary D. Knowles.
 Helen Grace Koschwitz.
 Walter O. Larsen.
 John Joseph Leahy.
 Anna Gertrude Madden.
 Lillian B. Magown.
 Margaret E. L. Malsbenden.
 Edgar Alexander Marchant.
 Blanche Eva Marcille.
 Herbert Sterling Martin.
 Mary Agnes McCarthy.
 George Vincent McCauley.
 Agnes Mary McNamara.
 Mary Agatha Miller.
 Frederick J. Moody.
 Samuel Edmond Nason.

Arthur Bernhard Olson.
 E. Evelyn Pearlman.
 Lena Elizabeth Pearlman.
 Mabel Agnes Peck.
 Mabel Emma Reilly.
 Bertha Adrian Riley.
 Joseph D. Rondina.
 Charles Herbert Roosa.
 Anna Russell.
 William Sanders.
 Louis J. Schwalb.
 Hazen Elwyn Shattuck.
 Mary E. Smith.
 Maria José Sousa.
 Louis Specter.
 Anton Steidle.
 Madeline Alice Sullivan.
 Mary Elizabeth Sullivan.
 Henry G. Taff.
 Amedeo Tangherlini.
 Birdie Christina Tyler.
 John J. Walsh.
 Samuel Weiner.
 Samuel Wermont.
 Harold George Wilson.

Forster School.

Martha Aldrich.
 Helen V. Anderson.
 Irene E. Andrews.
 Grace I. Annis.
 Miriam Beers.
 Helen M. Bennett.
 Eleanor J. Bent.
 Gladys W. Booth.
 Annie J. Brown.
 Esther P. Bryant.
 Royden L. Burbank.
 Ellen A. Coolen.
 Hazel E. Craft.
 Doris L. Crenner.
 Curtis F. Day.
 Agnes Donnelly.
 Everett F. Doten.
 Forrest D. Drew.
 Beatrice N. Dugmore.
 Dorothy Dunton.
 Morton S. Enslin.
 George A. Farrell.
 Lewena M. Fermoyale.
 Esther L. Fielding.
 Harold C. Fitz.
 Mera L. Flint.
 Marjorie French.
 Effie M. Garland.
 Harold J. Gerrior.
 Elizabeth B. Graham.
 Margery Haggerty.
 I. Chesterfield Hall.

Charlotte I. Halpin.
 George F. Halpin.
 Edwin K. Harding.
 Mary E. Hession.
 William E. Higham.
 Alan G. Hill.
 Frank A. Hutchinson.
 Arthur O. Jackson.
 Frederick R. Kenney.
 Hazel M. Lawrence.
 Grace M. Lebert.
 Fred M. Leighton.
 Dorothy M. Lewis.
 J. Norman MacCorkle.
 George A. Macomber, Jr.
 Katherine A. Madigan.
 Veronica C. Madigan.
 Laura M. Mason.
 Alva G. Maynard.
 Dorothy M. McCoy.
 Melvin S. McLeod.
 Lincoln Moore.
 Joseph H. Morrill.
 Lillian A. F. Murray.
 Ida O. Myott.
 Raymond H. Newcomb.
 Marguerite A. O'Connell.
 Charlotte L. Perry.
 Melba Peters.
 Donald I. Pitman.
 Alice T. Reardon.
 Mary G. Reynolds.

Marion Rich.
 Barbara Sawyer.
 William R. Sawyer.
 Walter T. Selg.
 Robert H. Sharkey.
 Frank L. Sibley.
 Evelyn A. Smith.
 Irene I. Smith.
 Hazel A. Stark.

Ethel M. Stevens.
 Clarence M. Super.
 Doris Underhill.
 Edward A. Waldron, Jr.
 Helen Wiley.
 Rizpah M. Williams.
 Paul B. Woodbridge.
 Ruth S. Woodbridge.
 James E. Worthley.

Bingham School.

Hyman Baker.
 James T. Burke.
 Mary Veronica Cahill.
 Gertrude E. Cody.
 George W. Cronin.
 Francis H. Davis.
 Lillian Emma DeLorme.
 Alice M. Doherty.
 Helen Louise Doherty.
 Oscar E. Dubord.
 Grace V. Ducey.
 Anna Louise Gurvin.
 Margaret M. Hallion.
 Jenny Constance Hansen.
 Adele V. Jodkois.
 Esther Josephine Johansen.

Eva A. Kiliotaitis.
 George M. Kennedy.
 Joseph E. Lucas.
 Alice Frances Martin.
 Charles Montier.
 Anna Collette Mullarkey.
 Leon A. Nowlin.
 Leonard A. Nowlin.
 Russell M. Palmer.
 Marie A. Quessy.
 Clement L. Robinson.
 Marie Salomon.
 Grace W. Sandberg.
 Thomas P. Savage.
 Walter J. Sullivan.
 Ethel R. Benoit.

PROMOTED TO THE HIGH SCHOOL IN FEBRUARY.

Marcella M. Garrick.
 Beatrice H. Gutoski.
 James L. Kiley.

Frank A. Magno.
 John T. Robinson.

Bell School.

Charles David Applin.
 Ruth Evelyn Babcock.
 Caroline Harriett Bennett.
 Jason Frederick Bickford.
 Avlen J. Blunden.
 Ethel L. Blunden.
 Frank Merton Bradley.
 Maude Beatrice Bridges.
 Elsie Dorothy Brodil.
 Eliot Hoxie Bryant.
 Estelle M. Cameron.
 Marion Spring Clark.
 Alice Nellie Clarke.
 Alice Rose Clarke.
 Russell Wallace Conklin.
 Alice Margaret Cumming.
 John Anthony Cumming.
 Haldeen Rose DeLay.
 George Donovan, 2d.
 Freida May Ernst.
 Lulu June Ernst.
 William F. Fitzgerald.
 Emma Francis Foster.
 Mary Lois Frazee.

Helen R. Glenn.
 Marion Frances Goss.
 Mary Louise Gow.
 Ruth Miller Hall.
 Edna May Hart.
 Constance Frances Hastings.
 Walter LeRoy Herget.
 Alice Newcomb Higgins.
 Laura Etta Hildebrand.
 Mabel Anna Joy.
 Muriel Baldwin Leahy.
 Philip Merritt LeGallee.
 Joseph P. Lemos.
 George H. Lincoln.
 Florence S. Long.
 Mary Ursula Madden.
 Bernard L. Maxwell.
 William Albert McCarthy.
 Charles Aloysius McElroy.
 Catherine A. M. McLaughlin.
 Alexander F. McQueston.
 George Edward Mitchell.
 Raymond Douglass Morrison.
 Geneva May Mugford.

Dorothy Bertha Murphy.
Frank O. J. Nardini.
Charles Augustus Perkins.
Willis Hubbard Pond.
Mildred Lydia Redden.
Clara L. Sanborn.
Della Frances Savary.
Edith Eugenie Scriven.
Donald Borden Smith.
Marjorie Dean Spencer.
Mildred Howard Sprague.

Lindsley Richard Sterling.
Harold Arnett Todd.
Raymond Martin Vorce.
Joseph B. Walsh.
Robert E. Walsh.
Phillip Kimball Watson.
William James Welch.
Ralph Waldron Williams.
Thelma M. Winchenbaugh.
Helen Gertrude Wingate.

PROMOTED TO THE HIGH SCHOOL SEPTEMBER 7, 1910.

Grace Elston.
June Mathilde Moody.

Alice Edna Winton.

Table 28.—ORGANIZATION OF SCHOOL BOARD, 1912.**School Committee.**

HENRY H. FOLSOM,	Chairman
GEORGE C. MAHONEY,	Vice-Chairman

Members.

EX-OFFICIIS.		Term expires January.
CHARLES A. BURNS, Mayor,	27 Thurston street	1913
JOSEPH O. KNOX, President Board of Aldermen,	109 Rogers ave.	1913
WARD ONE.		
EMORY F. CHAFFEE,	109 Pearl street	1913
MRS. MARY G. WHITING,	61 Mt. Vernon street	1914
WARD TWO.		
THOMAS M. CLANCY,	52 Springfield street	1913
DANIEL H. BRADLEY,	19 Concord avenue	1914
WARD THREE.		
ALBERT C. ASHTON,	33 Columbus avenue	1913
GEORGE E. WHITAKER,	75 Walnut street	1914
WARD FOUR.		
GEORGE W. FOSTER,	7 Evergreen avenue	1913
CHARLES A. KIRKPATRICK,	27 Sewall street	1914
WARD FIVE.		
J. WALTER SANBORN,	183 Central street	1913
HENRY H. FOLSOM,	103 Central street	1914
WARD SIX.		
MRS. MARY R. BREWER,	170 Summer street	1913
FREDERICK A. P. FISKE,	44 Cherry street	1914
WARD SEVEN.		
MRS. LILLA H. TAINTER,	46 Chester street	1913
GEORGE C. MAHONEY,	97 College avenue	1914

Superintendent of Schools.

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 13 Hudson street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

Board Meetings

January 29.	April 29.	September 30.	December 27.
February 26.	May 27.	October 28.	January 3, 1913
March 25.	June 24.	November 25.	
8.15 o'clock.			

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1912.—Concluded.

Standing Committees, 1912.

Note.—The member first named is chairman.

High Schools.—Sanborn, Mahoney, Clancy, Ashton, Foster, Fiske, Mrs. Whiting.

District I.—Chaffee, Mrs. Whiting, Clancy.
PRESCOTT, HANSCOM, BENNETT.

District II.—Clancy, Bradley, Chaffee.
KNAPP, PERRY, BAXTER.

District III.—Ashton, Whitaker, Mrs. Whiting.
POPE, BELL, CUMMINGS.

District IV.—Foster, Kirkpatrick, Sanborn.
EDGERLY, GLINES.

District V.—Sanborn, Folsom, Kirkpatrick.
FORSTER, BINGHAM.

District VI.—Mrs. Brewer, Fiske, Folsom.
CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Mrs. Tainter, Mahoney, Fiske.
HIGHLAND, HODGKINS, LINCOLN, LOWE.

Finance.—Kirkpatrick, Sanborn, Clancy, Chaffee, Whitaker, Foster, Folsom, Burns, Knox.

Text-Books and Courses of Study.—Whitaker, Chaffee, Bradley, Kirkpatrick, Folsom, Mrs. Tainter, Mrs. Brewer.

Industrial Education.—Foster, Sanborn, Kirkpatrick, Mrs. Whiting, Ashton, Clancy, Mrs. Tainter.

School Accommodations.—Mahoney, Bradley, Chaffee, Fiske, Mrs. Brewer, Kirkpatrick, Sanborn, Burns, Knox.

Teachers.—Fiske, Whitaker, Bradley, Mrs. Tainter, Folsom.

Playgrounds and School Hygiene.—Mrs. Whiting, Mrs. Brewer, Mahoney, Clancy, Ashton.

Rules and Regulations.—Bradley, Fiske, Mahoney,

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1912.

NAME AND RESIDENCE.	Salary.	Began Service.
HIGH SCHOOL.		
Central Hill.		
JOHN A. AVERY, Head Master, 22 Dartmouth Street	\$3,100	1895
Everett W. Tuttle, Master, 62 Highland Avenue	2,000	1895
Frank M. Hawes, Master, 257 School Street	2,000	1879
Charles T. Murray, Master, 28 Franklin Street	2,000	1887
Harry L. Jones, Sub-Master, 137 Powder House Boulevard	1,700	1896
Howard W. Poor, Sub-Master, 27 Mt. Vernon Street, Reading	1,700	1896
Harry F. Sears, Sub-Master, Melrose Highlands	1,700	1901
George M. Hosmer, Sub-Master, 13 Arlington Street	1,700	1901
William W. Obear, Sub-Master, 86 Belmont Street	1,700	1906
William D. Sprague, Sub-Master, 16 Pleasant Avenue	1,800	1906
Frank H. Wilkins, Sub-Master, 14 Heath Street	1,700	1906
Laurence A. Sprague, Sub-Master, West Newton	1,500	1906
John M. Jaynes, Sub-Master, 29 Putnam Street	1,400	1901
Roy W. Hatch, Sub-Master, West Medford	1,600	1909
Guy C. Blodgett, Sub-Master, 12 Highland Avenue	1,300	1910
Seth A. Loring, Sub-Master, No. Wilmington	1,300	1911
Walter I. Chapman, Sub-Master, 18 Central Street	1,300	1911
Augustus B. Tripp, Sub-Master, 67 Wallace Street	1,050	1909
S. Thomas Hall, Sub-Master, 26 Vinal Avenue	1,050	1910
Clarence L. Foster, Assistant, 48 Hudson Street	1,000	1911
Arthur W. Wathen, Laboratory Assistant, 37 Madison Street	700	1911
Frances W. Kaan, Assistant, 133 Central Street	1,200	1882
A. Marion Merrill, Assistant, 66 Highland Avenue	1,200	1895
Helen L. Follansbee, Assistant, 40 Vinal Avenue	1,200	1900
Mrs. Lena Gilbert, Assistant, 51 Elmwood Street	1,000	1892
Mrs. Mary J. Wolcott, Assistant, Arlington	1,000	1895
Mrs. Mary C. Thurston, Assistant, 271 Medford Street	1,000	1898
Harriet E. Tuell, Assistant, 10 Harvard Place	1,000	1899
Elizabeth Campbell, Assistant, 15 Pleasant Avenue	1,000	1902
A. Laura Batt, Assistant, 66 Highland Avenue	1,000	1895
M. Helen Teele, Assistant, Arlington	1,000	1895
Clara A. Johnson, Assistant, 177 Central Street	1,000	1897
Elizabeth H. Hunt, Assistant, Cambridge	1,000	1908
Mabel G. Curtis, Assistant, Cambridge	1,000	1903
Mary E. Hadley, Assistant, Arlington Heights	1,000	1907
Natalie A. Smith, Assistant, 60 Albion Street	1,000	1909
Eudora Morey, Assistant, Boston	900	1874
Bessie D. Davis, Assistant, 13 Mt. Vernon Street	900	1901
Ella D. Gray, Assistant, 147 Walnut Street	900	1901
Nellie H. Swift, Assistant, 82 Boston Street	900	1904
Ruth Tousey, Assistant, 106 Professors Row	900	1904
Anna Pushee, Assistant, 10 Harvard Place	900	1904
Bessie L. Forbes, Assistant, 92 Orchard Street	900	1899
Bertha A. Raymond, Assistant, 85 Central Street	900	1900
Blanche S. Bradford, Assistant, 161 Summer Street	900	1903
Grace E. Burroughs, Assistant, 83 Munroe Street	900	1906
F. Gertrude Perkins, Assistant, 21 Highland Avenue	900	1906
Mabel Butman, Assistant, 49 Boston Street	900	1906
Grace Gatchell, Assistant, 49 Vinal Avenue	900	1906
Flora E. Anderson, Assistant, 8-A Hancock Street	900	1907
Grace E. W. Sprague, Assistant, Cambridge	900	1908
Kate M. Monro, Assistant, 44 Albion Street	900	1909
A. Marguerite Browne, Assistant, Cambridge	900	1908
Esther Parmenter, Assistant, 10 Evergreen Avenue	850	1910
Annie C. Woodward, Assistant, 150 School Street	800	1906
Edith L. Hurd, Assistant, 125 Central Street	850	1910
Nancy B. Kimball, Assistant, Malden	850	1910
Julia T. Connor, Assistant, 59 Church Street	850	1911
Hattie M. Baker, Assistant, 70 Pearson Avenue	700	1911
Bertha Bray, Assistant, 98 Professors Row	800	1911
Mildred W. Clark, Assistant, Cambridge	600	1911
Mabell M. Ham, Clerk, 41 Boston Street	700	1906

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(WILLIAM H.) PRESCOTT SCHOOL.			
Pearl and Myrtle Streets.			
9.	SAMUEL A. JOHNSON, Master, 83 Thurston Street	\$1,900	1893
9.	Elizabeth M. Warren, 46 Vinal Avenue	775	1897
8.	Susie M. Hosmer, 31 Thurston Street	700	1899
8.	Emma M. Cate, 15 Fletcher Street, Winchester	700	1882
7.	Edyth M. Grimshaw, Readville	700	1909
7.	May C. Eaton, Malden	700	1911
6.	Mary L. Abbott, 102 Walnut Street	700	1910
6.	Florence A. Eaton, 56 Walnut Street	700	1906
5.	Georgiana Smith, 56 Walnut Street	700	1906
4.	Clara Taylor, 36 Flint Street	700	1871
3.	Elizabeth L. Marvin, 41 Greenville Street	700	1898
2.	Louise E. Pratt, 110 Pearl Street	700	1889
1.	A. Louise Bean, 8 Hamlet Street	700	1904
SANFORD HANSCOM SCHOOL.			
Webster and Rush Streets.			
6, 5.	ELIZABETH M. COLLINS, Principal, 2 Madison Street	\$1,300	1901
Asst.	Mrs. Agness M. Travis, Winthrop Highlands	700	1908
5.	Mary V. Williams, 73 High Rock Street, Lynn	700	1908
4.	Mary B. Nelson, South Lincoln, Mass.	700	1906
4, 3.	Frances E. Robinson, 89 Cross Street	700	1908
3.	Jennie M. Twiss, 67 Berkeley Street	700	1903
2.	Maude A. Nichols, 15 Pleasant Avenue	700	1906
2.	Mattie L. Littlefield, 65 Glen Street	700	1897
1.	Phenie L. DuGar, 46 Vinal Avenue	700	1907
1.	Alice M. Saben, 110 Pearl Street	525	1903
Kind'n.	Elizabeth J. Baker, 78 Highland Avenue	600	1907
Asst.	Florence M. Shaw, 68 Central Street	425	1909
Ungraded Class	Mrs. Nellie W. McPheters, 130 Sycamore Street	500	1911
INDUSTRIAL SCHOOL FOR BOYS (Day).			
Davis Bldg., Tufts Street.			
	E. Minor Morse, Principal, 34 Ware Street	\$1,500	1910
	Charles W. Hum, 18 Bartlett Street, Malden	1,600	1910
	Nehemiah E. Gillespie, 25 Stone Avenue	1,000	1911
	Ethel F. Strom, clerk, 53 Ash Avenue	320	1911
CLARK BENNETT SCHOOL.			
Poplar and Maple Streets.			
6, 5.	ELIZABETH M. COLLINS, Principal, 2 Madison Street	\$1,300	1912
Asst.	Kate B. Gifford, 66 Highland Avenue	750	1902
5.	Mrs. Bertha T. Moore, 9 Hamlet Street	700	1911
4.	Katherine C. Connolly, 101 School Street	700	1897
4, 3.	Mrs. Nettie L. Fay, 12 Grand View Avenue	700	1901
3.	Nellie F. Eaton, 15 Pleasant Avenue	700	1906
3, 2.	Eleanor W. Nolan, 13 Pleasant Avenue	700	1909
2.	Isadore E. Taylor, 36 Flint Street	700	1883
1.	Bertha M. Martindale, 21 Highland Avenue	700	1902
1.	Mrs. Cora B. Gowen	700	1906
Kind'n.	Caroline G. Baker, 40 Benton Road	600	1896

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GEORGE L. BAXTER SCHOOL.			
Bolton Street.			
5.	MARY G. BLACKWELL, Principal, 45 Ibbetson Street	\$825	1900
4.	Etta R. Holden, 12 Warren Avenue	700	1908
3.	Julia A. Mahoney, 16 Parker Street	700	1904
2.	Agatha G. F. Commins, 24 Hanson Street	700	1901
1.	Maria D. McLeod, 1 Highland Park, Cambridgeport	700	1906
Kind'n.	Eleanor A. Connor, 59 Church Street	600	1903
Asst.	Martha W. Delay, 48 Beacon Street	275	1911
OREN S. KNAPP SCHOOL.			
Concord Avenue.			
9.	JOHN SHERBURNE EMERSON, Master, 3 Preston Road	\$1,900	1894
9.	Mary J. Malaney, 18 Pleasant Avenue	775	1908
9, 8.	Bessie N. Page, 9 Preston Road	700	1911
8.	Nellie Theresa McCarthy, Woburn	700	1909
8.	Minnie A. Holden, 25 Munroe Street	700	1906
7.	Clara B. Parkhurst, 22 Highland Avenue	700	1889
7.	Clara B. Sackett, 91 Summer Street	700	1891
7, 6.	Edith Hersey, 154 Washington Avenue, Chelsea	700	1899
6.	Florence M. Hopkins, 50 Craigie Street	700	1907
6.	Nona E. Blackwell, 45 Ibbetson Street	600	1906
4.	Annie E. Robinson, 151 Summer Street	700	1876
3.	L. Gertrude Allen, 230 Washington Street	700	1884
2.	Minnie Alice Perry, 267 Medford Street	700	1891
1.	M. Edith Callahan, Woburn	650	1911
ALBION A. PERRY SCHOOL.			
Washington Street, near Dane.			
6.	CATHERINE E. SWEENEY, Principal, 633 Broadway	\$825	1901
5.	Mary A. Mullin, 27 Shawmut Street	600	1910
4.	Irene Vincent, 47 Vinal Avenue	700	1903
3.	Alice L. Reid, 37 Spring Street	600	1910
2.	Charlotte Holmes, 49 Laurel Street	700	1899
1.	Mrs. Sarah E. Murphy, 21 Fountain Avenue	700	1906
CHARLES G. POPE SCHOOL.			
Washington and Boston Streets.			
9.	GEORGE M. WADSWORTH, Master, Whitman	\$1,900	1891
9.	Florence A. Chaney, 56 Boston Street	775	1892
9, 8.	Alice I. Norcross, 90 Russell Avenue, Watertown	700	1885
8.	Harriet M. Clark, 10 Vernon Street, West Medford	700	1893
7.	Mrs. Blanche G. North, 103 Kidder Avenue	700	1893
7.	M. Abbie Tarbett, 11 Washington Street, Stoneham	700	1906
6.	Edith A. Maxwell, 17 Pleasant Avenue	700	1906
6.	Lena F. Shaw, 23 Abbott Street, Dorchester	700	1905
5.	Lizzie W. Parkhurst, 22 Highland Avenue	700	1885
4.	Annie G. Sheridan, 84 Prospect Street	700	1886
3.	M. Katherine Davis, 11 Harvard Place	700	1904
2.	Florence E. Locke, 9 Prospect Hill Avenue	700	1899
1.	Alice B. Frye, 131 Buckman Street, Everett	700	1904

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
LUTHER V. BELL SCHOOL.			
Vinal Avenue.			
9.	HARLAN P. KNIGHT, Master, 61 Putnam Street	\$1,900	1897
9.	Alice L. Davis, 40 Vinal Avenue	775	1895
9, 8.	Grace E. Weeks, 32 Vinal Avenue	725	1899
8, 7.	Rena S. Hezelton, 26 Cambria Street	700	1909
7.	Eva R. Barton, Stoneham	700	1904
7.	Mary F. Osborne, 67 Boston Street	700	1908
6, 5.	Mrs. Mabel T. Totman, 17 Pleasant Avenue	700	1893
6.	Julia A. Simmons, Boston	650	1911
5.	Emma F. Schuch, 25 Tufts Street	700	1874
4.	Ella H. Bucknam, 211 Summer Street	700	1897
3.	Blanche L. Paine, 11 Landers Street	700	1905
(JOHN A.) CUMMINGS SCHOOL.			
School Street, near Highland Avenue.			
3.	FANNIE L. GWYNNE, Principal, 65 School Street	\$775	1886
4.	Daisy W. Cushman, 40 Vinal Avenue	700	1906
2.	Angeline Cann, Hotel Woodbridge	700	1897
1.	Lucia Alger, 17 Gibbens Street	700	1889
(JOHN G.) EDGERLY SCHOOL.			
Cross and Bonair Streets.			
9:	CHARLES E. BRAINARD, Master, 82 Munroe Street	\$1,900	1889
9.	M. Eva Warren, 151 Walnut Street	775	1906
9, 8.	Annie L. Dimpsey, Hotel Woodbridge	700	1891
8.	Mary E. Richardson, 6 Everett Avenue	700	1893
7.	Mabel C. Mansfield, 6 Everett Avenue	700	1893
7.	Isabelle M. Gray, 23 Webster Street	700	1897
6.	Edith M. Snell, 4 Vine Street, Melrose	700	1900
5.	G. Hortense Pentecost, 154 Walnut Street	700	1905
5, 4.	J. Louise Smith, 196 Washington Street, Lynn	700	1896
4.	Lillian Nealley, 109 Glen Street	700	1882
3.	Alice W. Cunningham, 62 Highland Avenue	700	1901
1.	Martha M. Power, 37 Gleason Street, West Medford	700	1890
JACOB T. GLINES SCHOOL.			
Jaques Street, near Grant Street.			
9	MARY E. NORTHUP, Master, 9 Forster Street	\$1,900	1878
9.	Mary E. Stiles, 9 Forster Street	775	1883
8.			
7.	Lilla M. Marble, 9 Bradford Avenue	700	1902
6.	Louise V. Richardson, 61 Heath Street	700	1907
6.	Ellen A. Boynton, 10 Grant Street	700	1891
5.	Margaret A. Orr, 15 Blagden Street, Boston	700	1890
4.	Mary A. Goddard, 9 Winter Hill Circle	700	1893
4, 3.	Mrs. Carrie Armitage, 57 Madison Street	700	1899
3.	Florence E. Baxter, 49 Hudson Street	700	1891
2.	Anna G. Welch, 22 Fenwick Street	700	1897
1.	Leslie Caverly, 210 Washington Avenue, Chelsea	700	1908
1.	Isabel J. Tift, 37 Madison Street	700	1892
Kind'n.	Mrs. Etta D. Ellsworth, Trinity Court, Boston	600	1897
Asst.	Ida M. Kane, 28 Fellsway West	425	1905

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(CHAKLES) FORSTER SCHOOL.			
Sycamore Street and Evergreen Avenue.			
9.	FRED C. BALDWIN, Master, 106 Sycamore Street	\$600	1893
7.	Ernest R. Hager, Acting Master, 11 Sewall Street	1,300	1910
7.	Irene S. Nightingale, 12 Court Street, Arlington	775	1895
8.	Emma G. Blanchard, 146 Mass. Ave., Boston, Suite 622	725	1902
9.	Emma M. Damon, 63 Walnut Street	700	1908
9.	Philena A. Parker, 228 Broadway	700	1908
	M. Edna Merrill, 228 Broadway	700	1909
6.	Mrs. Mina P. Bickford, 216 Park Street, Medford	700	1903
6.	Elizabeth F. Clement, 29 Kidder Avenue	700	1884
5.	Mary I. Bradish, 81 Magoun Avenue, Medford	700	1899
5.	Elizabeth S. Brown, 11 Dartmouth Street	700	1897
4.	Laura R. Cunningham, 62 Highland Avenue	700	1904
4.	Annie S. Gage, 32 Marshall Street	700	1881
3.	Mrs. Annie J. Ireland, Winchester	700	1909
3.	Martha L. Hale, 157 Highland Avenue	700	1899
2, 1.	Cora J. Demond, 146 Massachusetts Avenue, Boston	700	1900
1.	Grace Shorey, 23 Forster Street	700	1892
(NORMAN W.) BINGHAM SCHOOL.			
Lowell Street, near Vernon Street.			
9.	HARRY F. HATHAWAY, Master, 495 Broadway	\$1,900	1890
9.	Elizabeth J. O'Neil, 82 Benton Road	775	1894
8.	Elizabeth J. Mooney, 168 Summer Street	700	1904
8.	Jane Batson, 15 Florence Street, Malden	700	1900
7.	Naomi E. Stevens, 149 Hancock Street, Cambridge	700	1902
7.	Mary E. Hughes, Billerica	700	1911
6.	Lucy K. Hatch, 103 Glenwood Road	700	1892
6.	Mary F. Mead, 35 Kidder Avenue	700	1905
5.	Harriet F. Ward, 96 Sycamore Street	700	1895
5.	Helen L. Galvin, Braintree	700	1903
4.	Eva M. Barrows, 469 Broadway	700	1903
4, 3.	Bessie J. Baker, Malden	700	1905
3.	Harriet M. Bell, 34 Bow Street	700	1904
3.	Nellie R. Bray, Medford Hillside	700	1897
3, 2.	Clara L. Griffiths, 39 Ames Street	700	1902
2, 1.	Priscilla A. Merritt, 96 Oxford Street	700	1885
1.	Mabel E. Mansir, 77 Albion Street	700	1894
Asst.	Mary L. Ennis, 785 Broadway	350	1911
MARTIN W. CARR SCHOOL.			
Beech Street.			
9.	CHARLES G. HAM, Master, Watertown	\$1,900	1898
9.	May E. Berry, 14 Billingham Street	775	1880
8.	Clara D. Eddy, 71 Central Street	725	1902
8.	Mrs. Mary E. Soule, 124 Summer Street	700	1901
7.	Harriet A. Hills, 14 Billingham Street	700	1874
7.	M. Florence Eustis, 53 Laurel Street	700	1906
6.	Marie T. Smith, 15 Day Street	700	1898
6.	Susie L. Luce, 21 Francesca Avenue	700	1896
6, 5.	Leila L. Rand, 87 Raymond Street, Cambridge	700	1908
5.	Mary A. Haley, 117 Summer Street	700	1867
5.	Grace T. Merritt, 47 Cherry Street	700	1897
4.	Elizabeth S. Forster, 11 Preston Road	700	1895
4.	Katherine Pike, 35 Laurel Street	700	1906
3.	Lillian M. Wentworth, 248 Highland Avenue	700	1911
3.	*Ethel F. Morang, 38 Cambria Street	700	1898
3.	Carrie T. Lincoln, 79 Marshall Street	700	1893
2.	Annie B. Russell, 45 Russell Street	700	1901
1.	Pearl F. Dame, 1 Ellsworth Street	600	1906
1.	Lena Munroe, 211-A Summer Street	525	1910

* Leave of absence.

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GIRLS' INDUSTRIAL SCHOOL.			
41 Atherton Street.			
	Mary Henleigh Brown, Director, Everett St., Cambridge	\$1,600	1911
	Cornelia B. Rodman, 134 Newbury Street, Boston	1,000	1911
	Mary Donoghue, 21 St. James Avenue	800	1911
	Lucy Dorr, 56 Westland Avenue, Boston	700	1911
	Marion P. Crawford, 124 Summer Street	750	1911
(ENOCH R.) MORSE SCHOOL.			
Summer and Craigie Streets.			
9.	MINA J. WENDELL, Master, 211-A Summer Street	\$1,900	1882
9.	Alice E. Jones,	775	1897
9, 7.	Mrs. Harriette C. Hamilton, 219 Summer Street	725	1900
8.	Mrs. Clara A. Ball, 12 State Street, Cambridge	700	1906
7.	Lennie W. Bartlett, 11 Preston Road	700	1893
6.	Blanche E. Thompson, 108 School Street	700	1906
5.	Lizzie E. Hill, 40 Magnolia Street, Dorchester	700	1890
4.	Elva A. Cutler, 12 Billingham Street	600	1911
4, 3.	Flora B. Temple, 11 Laurel Street	600	1911
3.	Mrs. Agnes C. Rice, 20 Spring Hill Terrace	700	1900
2.	*Grace S. Russell, 1097 Broadway	700	1900
2.	Frances E. Welch, 303 Highland Avenue	525	1911
1.	Emma M. McKinley, 65 Grove Street	600	1907
GEORGE O. PROCTOR SCHOOL.			
Hudson Street.			
6.	NORA F. BYARD, Principal, 27 College Avenue	\$900	1884
6.	Alice G. Hosmer, 42 Boston Street	700	1906
5.	Abbie A. Gurney, 4 Ossipee Road	700	1888
4.	Ella P. McLeod, corner Forrest and Beacon Streets	700	1888
3.	Edith L. Hunnewell, 23 Milton Street	700	1894
2.	Mary S. Richardson, 13 Bartlett Street	700	1906
1.	L. Margaret Potter, 56 Norfolk Street, Cambridge	700	1905
GEORGE W. DURELL SCHOOL.			
Beacon and Kent Streets.			
4.	ABIGAIL P. HAZELTON, Principal, 23 Greene Street	\$775	1902
3.	*Bessie I. Sutton, 99 Gainsboro Street, Boston	700	1907
3.	Helen C. Berthrong, 99 Orchard Street	600	1911
2.	Cora F. Woodward, 49 Linden Avenue	650	1908
1.	Mary Winslow, 23 Hall Street	700	1887
MARK F. BURNS SCHOOL.			
Cherry Street, near Highland Avenue.			
7.	LAURA J. BROOKS, Principal, 31 Stevens Street, Stoneham	\$900	1883
6.	Cara M. Johnson, 38-A Orchard Street, Cambridge	700	1897
5.	Eva E. Perkins, 54 Benton Road	600	1911
4.	Margaret D. Hellyar, Oak Street, Greenwood	650	1909
3.	Annie L. Brown, 281 Summer Street	700	1885
3, 2.	Mary E. Lacy, 63 Cherry Street	700	1890
2.	Ardelle Abbott, 71 Craigie Street	700	1896
1.	Alice E. Morang, 38 Cambria Street	700	1893

* Leave of absence.

TABLE 29.—Teachers in Service January, 1912.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
BENJAMIN G. BROWN SCHOOL.			
Willow Avenue and Josephine Avenue.			
9.	GEORGE I. BOWDEN, Master, 92 Monument St., West Medford	\$1,800	1908
9.	Annie G. Smith, 59 Maple Street, Malden	775	1901
8.	Mrs. Phebe E. Mathews, 159 Morrison Avenue	700	1897
7.	*Edith G. Watts, Arlington Heights	700	1904
7.	Harriet M. Loomis, Everett	700	1911
6.	Alice R. Gould, 12 Fosket Street	600	1911
5.	*Grace J. Alexander, 70 Highland Avenue	700	1900
5.	Frances D. Way, Roxbury	600	1911
4.	Mary T. Ford, 10 Powder House Terrace	700	1911
4, 3.	Ida M. Record, 17 Gibbens Street	700	1899
3, 2.	Anna B. Lattin, 5 Irving Street	600	1910
2.	Mrs. Grace H. Bliss, 78 Ossipee Road	700	1900
1.	Rena H. Wiley, 148 Boston Avenue	700	1906
HIGHLAND SCHOOL.			
Highland Avenue and Grove Street.			
9.	FRANK W. SEABURY, Master, 18 Winslow Avenue	\$1,700	1911
9.	Grace M. Clark, 10 Vernon Street, West Medford	775	1893
9.	Marguerite Burns, 2 Park Avenue	725	1907
8.	Mary L. Bryant, 24 Hall Avenue	700	1903
8.	Mrs. Nellie G. Stewart, 223 Morrison Avenue	700	1908
8.	Sarah E. Pray, 126 Orchard Street	700	1877
7.	Elsie M. Ross, 14 Irving Street	700	1908
7.	Mrs. Grace T. Lonergan, 86 Morrison Avenue	600	1911
6.	Lillian F. Richardson, 33 Wallace Street	700	1904
6.	Marie Clifford, 10 Mellen Street, Cambridge	700	1907
5.	Marion Allen, Danvers	650	1911
5.	Mary H. Joyce, 76 Boston Street	700	1891
4.	Eva A. Wilson, 51 Avon Street	600	1911
WILLIAM H. HODGKINS SCHOOL.			
Holland Street.			
9.	ARTHUR L. DOE, Master, 104 Powder House Boulevard	\$1,900	1896
9.	Edith W. Emerson, 135 Central Street	775	1896
9.	N. Irene Ellis, 15 Kidder Avenue	725	1903
8.	Alice S. Hall, 135 Central Street	700	1896
8.	Ethel M. Paige, Melrose Highlands	700	1909
7.	Lilla E. Mann, 96 Wallace Street	700	1902
7.	Mrs. Gertrude W. Leighton, 26 Gibbens Street	700	1895
6.	Luanna B. DeCatur, 14 Irving Street	700	1909
6.	Beatrice A. Randall, 14 Oxford Street, Cambridge	700	1905
6.	Isabel M. Brunton, 19 Hanson Street	525	1910
5.	Flora A. Burgess, Arlington Heights	700	1894
5.	Catherine A. Burden, 406 Highland Avenue	700	1902
4.	Genieve R. Barrows, Waban	700	1905
4.	Katherine M. Fox, Stoneham	700	1896
2.	Jennie M. Patterson, Mattapan	700	1903
1.	Elizabeth L. Hersey, 4 Concord Sq., Boston	700	1896
Asst.	Elinor Neilon, 14 Cambria Street	350	1911
(CHARLES S.) LINCOLN SCHOOL.			
Broadway, near Teele Square.			
3.	ELIZA H. LUNT, Principal, 50 Curtis Street	\$775	1889
3.	Olivia M. Woods, 116 Powder House Boulevard	600	1908
2.	Almena J. Mansir, 77 Albion Street	700	1899
1.	Annie H. Hall, 97 College Avenue	700	1906
1.	Louise K. Simm, Waverley	500	1909

*Leave of absence.

TABLE 29.—Teachers in Service January, 1912.—Concluded.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
MARTHA PERRY LOWE SCHOOL.			
Morrison Avenue, near Grove Street.			
4.	MAY E. SMALL, Principal, 12 Day Street, Cambridge	\$900	1900
3.	Alice M. Dorman, 159 Morrison Avenue	700	1903
3.	Maude C. Valentine, 1098 Broadway	700	1901
3.	Stella M. Holland, 46 Chester Street	700	1903
2.	Mrs. Jane M. Taafe, 159 Morrison Avenue	700	1888
2.	Katherine E. Hourahan, 396 Highland Avenue	700	1892
2, 1.	Clara G. Hegan, 100 School Street	700	1897
1.	Martha A. Jencks, 96 Orchard Street	700	1898
EVENING SCHOOL PRINCIPALS.			
	WILLIAM D. SPRAGUE, High	\$6.00	
	JOHN S. EMERSON, Bell	4.00	
	CHARLES E. BRAINARD, Highland	3.00	
CADET TEACHERS.			
	Elizabeth M. Delay, 32 Line Street	\$200	1911
	Gladys A. Kingsley, 240 Highland Avenue	200	1911
SPECIAL TEACHERS.			
MUSIC.			
13-7.	S. Henry Hadley, 46 Pearl Street	\$1,700	1868
6-1.	Charlotte D. Lawton, 11 East Newton Street, Boston	1,000	1898
DRAWING.			
9-1.	Clara M. Gale, 7 Westwood Road	900	1911
SEWING.			
8-5.	Mary L. Boyd, 74 Heath Street	700	1888
8-5.	Emma J. Ellis, 54 Marshall Street	700	1900
8-5.	Bertha P. Paul, 23 Monmouth Street	700	1900
PENMANSHIP.			
9-1.	William A. Whitehouse, 182 Highland Avenue	1,500	1895
MANUAL TRAINING.			
9, 8.	Harry L. Jones, 137 Powder House Boulevard	300	1911
9, 8.	Andrew Bjurman, 15 Fairview Terrace, Maplewood	1,400	1907
9, 8.	Willis E. Higgins, Waltham	1,400	1907
ATYPICAL.			
	Mary A. Holt, 72 Boston Street	775	1910
ASSISTANT IN PROCTOR AND LOWE.			
	Annie Sanburn, 20 Ashburton Place, Boston	700	1906
ASSISTANT IN BURNS.			
	Mary C. Buck, 12 Powder House Terrace	350	1899

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1912.

NAME AND ADDRESS.	Salary.
Charles S. Clark, 82 Munroe Street	\$3,500
CLERKS.	
Justin W. Lovett, 13 Hudson Street	1,300
Mary A. Clark, 42 Highland Avenue	750
Mildred A. Merrill, 26 Cambria Street	600
TRUANT OFFICERS.	
Benjamin R. Jones, 25 Loring Street	1,300
*Jairus Mann, 80 Porter Street	50

*Died February 4, 1912.

TABLE 31.—SCHOOL JANITORS, JANUARY, 1912.

School.	Name.	Residence.	Salary.
High School, S	John H. Kelley	7 Madison St.	\$25.00
High School, assistant . .	Joseph Young	47 Oxford St.	19.50
High School, assistant . .	William H. Kelley	10 Lee St.	16.00
High School, assistant . .	Lewis G. Keen	56 Prescott St.	20.00
High School, fireman . . .	Edwin Adler	22 Robinson St.	16.00
Prescott, S, 12	George A. McGunnigle	50 Pearl St.	17.00
Hanscom, S, 10	John J. Kilty	662 Somerville Ave.	15.00
Davis, F, 4	George H. Clapp	35-A Franklin St.	12.00
Bennett, S, 12	Daniel T. Campbell	85 Lexington Ave.	17.00
Baxter, S, 6	Israel Winterbottom	2 Bolton St.	12.00
Knapp, S, 12	John Lane	5-A Belmont St.	16.00
Perry, S, 6	Henry C. Bradford	72 Boston St.	12.00
Pope, S, 12	Hiram A. Turner	16 Gibbens St.	17.00
Bell, S, 12	William Meskill	53 Partridge Ave.	17.00
Cummings, F, 4	George W. Libby	215 Pearl St.	12.00
Edgerly, S, 12	Charles P. Horton	22 Everett Ave.	16.00
Glines, S, 14	Roy C. Burckes	249 School St.	18.25
Forster, S, 18	George W. Coombs	34 Tufts St.	18.00
Forster, assistant			
Bingham, S, 16	John F. O'Brien	347 Lowell St.	21.00
Carr, S, 16	James W. Rich	206 Highland Ave.	23.00
Morse, F, 12	John W. Cremen	69 Oxford St.	17.00
Proctor, S, 8	George Q. Marshall	19 Wesley St.	13.50
Durell, S, 4	Ellsworth C. Lundgren	50 Harrison St.	12.00
Burns, S, 8	Charles Gallaway	160 Hudson St.	13.50
Brown, S, 10	O. M. Pote	23 Howe St.	15.00
Highland, S, 12	E. Parker Cook	398 Highland Ave.	16.00
Hodgkins, S, 14	John Shea	49 Paulina St.	17.00
Lincoln, S, 4	Thomas C. Dame	1 Ellsworth St.	12.00
Lowe, S, 8	John F. Richardson	190 Morrison Ave.	13.50

Buildings heated by steam are marked "S," by furnace "F." The numbers show the number of rooms.

The high school is heated by a single plant in the East building.

TABLE A.—DISTRIBUTION OF PUPILS BY AGES, OCTOBER 1, 1911.

GRADE.	AGE.																	Total.	Above Normal Age.	Per cent. Above Normal Age.
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Kgn....	6	190	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	197	....	....
1 .....	....	42	835	124	19	4	3	1	1	2	1	....	....	....	....	....	....	1,032	31	3.1
2.....	....	7	220	475	141	46	10	8	2	2	....	1	1	....	....	....	....	913	70	7.6
3.....	....	....	20	569	393	194	55	31	8	6	2	....	....	....	....	....	....	1,278	102	7.2
4.....	....	....	....	39	491	397	194	101	30	12	5	1	1	....	....	....	....	1,271	150	11.8
5.....	....	....	....	1	49	437	346	184	100	39	9	....	....	....	....	....	....	1,165	148	12.7
6.....	....	....	....	....	2	66	405	367	231	121	40	9	2	....	....	....	....	1,243	172	13.8
7.....	....	....	....	....	....	1	42	369	316	229	97	22	1	....	....	....	....	1,077	120	11.1
8.....	....	....	....	....	....	....	5	57	296	309	183	66	21	2	....	....	....	939	89	9.5
9.....	....	....	....	....	....	....	....	9	67	293	252	123	34	4	....	....	....	782	38	4.9
10.....	....	....	....	....	....	....	....	1	7	71	264	233	90	22	3	....	1	692	26	3.8
11.....	....	....	....	....	....	....	....	....	....	13	61	162	114	52	9	5	....	416	14	3.4
12.....	....	....	....	....	....	....	....	....	....	....	10	61	151	107	39	12	3	383	15	3.9
13.....	....	....	....	....	....	....	....	....	....	....	....	2	46	141	93	24	6	312	6	1.9
P. G....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	6	8	1	18	....	....
Total.	6	239	1,076	1,208	1,095	1,145	1,060	1,128	1,068	1,097	924	680	461	331	150	49	11	11,718	981	8.4
Under Normal grade.....																		981		
Per cent. under Normal grade.....																		981		

TABLE B. — Distribution of Pupils, 14 but Not 15, October 1, 1911.

	NUMBER OF GRADES													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	
High.....	264	61	10	..	335
Prescott.....	2	4	8	14	18	..	..	..	..	46
Hanscom.....
Bennett.....	2	1	..	1	..	..	..	..	..	..	..	4
Baxter.....
Knapp.....	1	8	12	19	..	..	..	..	40
Perry.....	1	1	..	..	..	..	..	..	..	2
Pope.....	5	9	16	23	..	..	..	..	53
Bell.....	2	6	1	14	..	..	..	..	23
Cummings.....
Edgerly.....	3	12	25	22	..	..	..	..	62
Glines.....	1	..	5	13	12	..	..	..	..	31
Forster.....	1	7	8	25	..	..	..	..	41
Bingham.....	1	6	12	18	21	..	..	..	..	58
Carr.....	1	2	6	9	12	11	..	..	..	..	41
Morse.....	1	1	1	3	13	22	..	..	..	..	41
Proctor.....	2	..	..	..	..	..	..	..	2
Durell.....	1	..	..	..	..	..	..	..	..	..	1
Burns.....	1	1	..	..	..	..	..	..	2
Brown.....	2	9	11	..	..	..	..	22
Highland.....	1	..	5	7	22	31	..	..	..	..	66
Hodgkins.....	1	..	..	..	1	1	8	20	23	..	..	..	..	54
Lincoln.....
Lowe.....
Total by grades.....	1	..	2	5	9	40	97	183	252	264	61	10	0	924
P.C. by ".....	.001	..	.002	.005	.01	.043	.105	.198	.273	.285	.06	.011	0	.999

TABLE C.—LIST OF AUTHORIZED TEXT-BOOKS IN THE HIGH SCHOOL.**English.**

Addison and Milton, Macaulay.....	Sibley & Ducker
American Literature, Painter.....	Sibley & Ducker
Composition and Rhetoric, Scott and Denney.....	Allyn & Bacon
Elements of Rhetoric, Carpenter.....	Allyn & Bacon
English Composition, Hanson.....	Ginn & Co.
English Composition and Literature, Webster,	Houghton Mifflin Company
Enlarged Practice Book in English Composition, Hitchcock,	Henry Holt & Co.
Foundations of Rhetoric, Hill.....	Harper & Brothers
Lessons in English, Lockwood.....	Ginn & Co.
Studies in English Composition, Keeler and Davis.....	Allyn & Bacon
Outlines of Rhetoric, Genung.....	Ginn & Co.
Addison, Macaulay.....	Allyn & Bacon
Alhambra, Irving.....	American Book Company
Ancient Mariner, Coleridge.....	Houghton Mifflin Company
American Poems, Scudder.....	Houghton Mifflin Company
American Prose, Scudder.....	Houghton Mifflin Company
As You Like It, Shakespeare.....	Sibley & Ducker
Browning, Selections from.....	Ginn & Co.
Bunker Hill Orations, Webster.....	Sibley & Ducker
Burke on Conciliation.....	Ginn & Co.
Burns, Representative Poems of, with Carlyle's Essay, Burns,	Ginn & Co.
Byron, Selections from.....	Ginn & Co.
Christmas Carol, Dickens.....	Houghton Mifflin Company
Cranford, Gaskell.....	Ginn & Co.
David Copperfield, Dickens.....	Ginn & Co.
Deserted Village, Goldsmith.....	Houghton Mifflin Company
Eighteenth Century Poetry.....	University Publishing Company
English Literature, Brooke.....	Macmillan Company
English Humorists, Thackeray.....	Henry Holt & Co.
Essays of Elia, Lamb.....	Ginn & Co.
Essays, Selected, Emerson.....	Allyn & Bacon
Essay on Burns, Carlyle.....	Ginn & Co.
Essays on Lord Clive and Warren Hastings, Macaulay....	Ginn & Co.
Essays on Milton, Macaulay.....	Sibley & Ducker
Essays on Culture, etc., Emerson.....	Houghton Mifflin Company
Essays on the Choice of Books, Carlyle....	Houghton Mifflin Company
Evangeline, Longfellow.....	Houghton Mifflin Company
Franklin's Autobiography, Franklin.....	Macmillan Company
Golden Treasury, Palgrave.....	Macmillan Company
Goldsmith, Life of, Irving.....	Houghton Mifflin Company
Hamlet, Shakespeare.....	Ginn & Co.
History of Literature, Simonds.....	Houghton Mifflin Company
Homer's Illiad, Pope.....	American Book Company
House of Seven Gables, Hawthorne.....	Houghton Mifflin Company
Henry Esmond, Thackeray.....	Ginn & Co.
Henry V., Shakespeare.....	Ginn & Co.
Idylls of the King, Tennyson.....	Ginn & Co.
In Memoriam, Tennyson.....	Houghton Mifflin Company
Introduction to American Literature, Painter.....	Sibley & Ducker
Ivanhoe, Scott.....	Ginn & Co.

Joan of Arc, De Quincey.....	Ginn & Co.
Inland Voyage, Stevenson.....	Ginn & Co.
Johnson, Life of, Macaulay.....	Sanborn & Co.
Julius Caesar, Shakespeare.....	American Book Company
L'Allegro, Milton.....	Ginn & Co.
Lays of Ancient Rome, Macaulay.....	D. C. Heath & Co.
Lady of the Lake, Scott.....	D. C. Heath & Co.
Last of the Mohicans, Cooper.....	Houghton Mifflin Company
Lorna Doone, Blackmore.....	Ginn & Co.
Lyrics, Milton.....	Houghton Mifflin Company
Macbeth, Shakespeare.....	Ginn & Co.
Merchant of Venice, Shakespeare.....	Ginn & Co.
Midsummer Night's Dream, Shakespeare.....	Ginn & Co.
Palamon and Arcite, Dryden.....	Ginn & Co.
Paradise Lost, Milton.....	Ginn & Co.
Pilgrim's Progress, Bunyan.....	Ginn & Co.
Princess, The, Tennyson.....	Sibley & Ducker
Questions on English Literature, Mason.....	Macmillan Company
Quentin Durward, Scott.....	American Book Company
Second Essay on the Earl of Chatham, Macaulay.....	Ginn & Co.
Sesame and Lilies, Ruskin.....	Ginn & Co.
Sketch Book, Irving.....	American Book Company
Silas Marner, Eliot.....	Sibley & Ducker
Sir Roger De Coverley Papers, Addison and Steele,	Macmillan Company
Sohrab and Rustum, Arnold.....	Ginn & Co.
Tales of a Traveler, Irving.....	American Book Company
Tale of Two Cities, Dickens.....	Ginn & Co.
Twelfth Night, Shakespeare.....	American Book Company
Twice Told Tales, Hawthorne.....	Houghton Mifflin Company
Treasure Island, Stevenson.....	Ginn & Co.
Travels with a Donkey, Stevenson.....	Ginn & Co.
Vicar of Wakefield, Goldsmith.....	American Book Company
Vision of Sir Launfal, Lowell.....	Sibley & Ducker
Washington's Farewell Address.....	Sibley & Ducker
Woodstock, Scott.....	American Book Company

History and Civics.

Ancient History, Botsford.....	Macmillan Company
Ancient History for Beginners, Botsford.....	Macmillan Company
Ancient History, Myers.....	American Book Company
Ancient History, West.....	Allyn & Bacon
Civil Government in the United States, Fiske,	Houghton Mifflin Company
Eastern Nations and Greece, Myers.....	American Book Company
English History, Coman and Kendall.....	Macmillan Company
English History, Montgomery.....	Ginn & Co.
Essentials of Ancient History, Wolfson.....	American Book Company
General History, Myers.....	American Book Company
History of England, Andrews.....	Allyn & Bacon
Short History of Roman People, Allen.....	Ginn & Co.
History of Rome, Myers.....	American Book Company
History of Rome, Botsford.....	Macmillan Company
History of Rome, Morey.....	American Book Company
History of Greece, Botsford.....	Macmillan Company
History of Greece, Myers.....	American Book Company
History of Greece, Morey.....	American Book Company
Mediaeval and Modern History, Myers.....	American Book Company
Outlines of Mediaeval and Modern European History,	D. C. Heath & Co.

Practical Zoölogy, Colton.....	D. C. Heath & Co.
Progressive Problems in Physics, Miller.....	D. C. Heath & Co.
Physical Geography, Tarr.....	Macmillan Company
Physics, Hall and Bergen.....	Henry Holt & Co.
School Physics, Avery.....	Sheldon & Co.
Text-Book of Physics, Wentworth and Hill.....	Ginn & Co.

German.

Anno 1870, Silenkron.....	D. C. Heath & Co.
Auf der Sonnenseit, Seidel.....	D. C. Heath & Co.
Aus dem Staat Friedrich's des Grossen, Freytag (Hager), D. C. Heath & Co.	
Ballads, Schiller, Ed. Henry Johnson.....	D. C. Heath & Co.
Das Lied von der Glocke, Goethe, Ed. Otis.....	Henry Holt & Co.
Der Prozess, Benedix.....	Henry Holt & Co.
Der Neffe als Onkel, Schiller (Raddatz).....	Allyn & Bacon
Der Fluch der Schönheit, Riehl, Ed. Thomas.....	D. C. Heath & Co.
Der Zerbrochene Krug, Schokke.....	D. C. Heath & Co.
Die Journalisten, Freytag (Gregor).....	Ginn & Co.
Der Schwiegersohn, Baumbach.....	D. C. Heath & Co.
Die Schonsten Deutschen Lieder, Wenckebach.....	Henry Holt & Co.
Dichtung und Wahrheit, Goethe (Bushheim).....	D. C. Heath & Co.
Eingeschneit, Frommel.....	D. C. Heath & Co.
German Reader, Brandt.....	Allyn & Bacon
German Grammar, Joynes-Meissner.....	D. C. Heath & Co.
German Grammar, Wesselhoeft.....	D. C. Heath & Co.
German Grammar, Otto.....	Henry Holt & Co.
Essentials of German, Vos.....	Henry Holt & Co.
German Composition (New), Pope.....	Henry Holt & Co.
German Composition, Harris.....	D. C. Heath & Co.
German Dictionary, Heath.....	D. C. Heath & Co.
German and French Poems, Selected.....	Henry Holt & Co.
Germelshausen, Friedrich Gerstächer, Ed. Carl Osthaus, D. C. Heath & Co.	
Geissbub von Engelberg, Lohnmeyer.....	D. C. Heath & Co.
Glück Auf, Müller and Wenckebach.....	Ginn & Co.
Heine's Harzreise, Heine (Vos).....	D. C. Heath & Co.
Hermann und Dorothea, Goethe, Ed. W. F. Hewett.....	D. C. Heath & Co.
Hermann und Dorothea, Goethe, Ed. Allen.....	Ginn & Co.
Historische Erzählungen, Hoffman.....	D. C. Heath & Co.
Höher als die Kirche, Hilheim, Ed. S. W. Clarry....	D. C. Heath & Co.
Immensee, Storm, Ed. Bernhardt.....	D. C. Heath & Co.
Im Vaterland, Bacon.....	Allyn & Bacon
Kinder und Hausmärchen, Grimm.....	Gutersloh
L'Arrabbiata, Paul Heyse, Ed. William Bernhardt...	D. C. Heath & Co.
Leberecht Hühnchen, Seidel.....	D. C. Heath & Co.
Märchen und Erzählungen, H. A. Guerber.....	D. C. Heath & Co.
Minna von Barnhelm, Lessing, Ed. Primer.....	D. C. Heath & Co.
Robinson, der Jüngere, Campe.....	D. C. Heath & Co.
Scientific German Reader, G. F. Dippold.....	Ginn & Co.
German Selections for Sight Translation, Georgina F. Monde, D. C. Heath & Co.	
Syllabus, Bierwirth.....	Henry Holt & Co.
Wilhelm Tell, Schiller (Carruth).....	Macmillan Company
Wilhelm Tell, Schiller (Deering).....	D. C. Heath & Co.

French.

Complete French, Chardenal.....	Allyn & Bacon
Elements of French, Aldrich and Foster.....	Ginn & Co.

Exercises in French Syntax and Composition, Bouvet,

	D. C. Heath & Co.
French Composition, Grandgent.....	D. C. Heath & Co.
French Dictionary, Heath.....	D. C. Heath & Co.
French Reader, Super.....	D. C. Heath & Co.
French Grammar, Frasier and Squair.....	D. C. Heath & Co.
First Scientific Reader, Bowen.....	D. C. Heath & Co.
Introductory French Prose Composition, François,	

American Book Company

Selections for Sight Translation, Bruce.....	D. C. Heath & Co.
Simple French, François and Gibraud.....	Henry Holt & Co.
Athalie, Racine.....	D. C. Heath & Co.
Contes et Nouvelles, Lazarre.....	D. C. Heath & Co.
Contes et Legendes, Guerber.....	American Book Company
Colomba, Merimée.....	D. C. Heath & Co.
Contemporary French Authors, Mellé.....	Ginn & Co.
Dix Contes Modernes.....	Ginn & Co.
Fleurs de France, Fontaine.....	D. C. Heath & Co.
Guy de Maupassant, Selections from.....	Ginn & Co.
Histoire de la Littérature Française, Duval.....	D. C. Heath & Co.
L'Abbé Constantin, Halévy.....	D. C. Heath & Co.
L'Avare, Molière.....	Henry Holt & Co.
L'Abbé Daniel, Theuriet.....	Henry Holt & Co.
L'Enfant de la Lune, Mairat.....	American Book Company
L'Evasion de Duc de Beaufort, Dumas.....	D. C. Heath & Co.
La Bataille des Dames, Scribe et Legouvé.....	D. C. Heath & Co.
La Belle Nivernaise, Daudet.....	D. C. Heath & Co.
La Chute, Hugo.....	D. C. Heath & Co.
La Cigale Chez les Fourmis, Legouvé and Labiche.....	D. C. Heath & Co.
La Mare au Diable, Sand.....	D. C. Heath & Co.
La Mère de la Marquise, About.....	Jenkins Company
La Mère Michel et Son Chat, Bedollière.....	Ginn & Co.
La Petite Fadette, Sand.....	D. C. Heath & Co.
La Poudre aux Yeux, Labiche et Martin.....	Henry Holt & Co.
La Tâche du Petit Pierre, Moiret.....	American Book Company
La Tulipe Noire, Dumas.....	D. C. Heath & Co.
Le Bourgeois Gentilhomme, Molière.....	Hachette
Le Cid, Corneille.....	D. C. Heath & Co.
Le Malade Imaginaire, Molière.....	Ginn & Co.
Le Main Malheureux, Anonymous.....	D. C. Heath & Co.
Le Petit Chose, Daudet.....	D. C. Heath & Co.
Le Petit Tailleur Bouton.....	
Le Roi des Montagnes, About.....	D. C. Heath & Co.
Le Siège de Berlin et Autres Contes, Daudet.....	Jenkins Company
Le Siège de Paris, Sarcey.....	D. C. Heath & Co.
Le Tour du Monde en Quatre-Vingts Jours, Verne.....	D. C. Heath & Co.
Le Violon de Faience, Champfleury.....	D. C. Heath & Co.
Le Voyage de M. Perrichon, Labiche et Martin.....	D. C. Heath & Co.
Les Contes de Fées, Joynes.....	D. C. Heath & Co.
Les Misérables, Hugo.....	Ginn & Co.
Les Precieuses Ridicules, Molière.....	D. C. Heath & Co.
Les Premières Lectures, Lazare.....	Ginn & Co.
Les Trois Mousquetaires, Dumas.....	Ginn & Co.
Madame Thérèse, Erckmann-Chatrion.....	Ginn & Co.
Madame de Sévigné, Selected Letters of, Syms,	

American Book Company

Mademoiselle de la Seiglière, Sandeau.....	Henry Holt & Co.
Monte Cristo, Dumas.....	D. C. Heath & Co.
Michel Strogoff, Verne.....	Henry Holt & Co.
Modern French Lyrics, Bowen.....	D. C. Heath & Co.

Napoléon, Fortier.....	Ginn & Co.
Peppino, Ventura.....	Jenkins Company
Quatre-Vingt Treize, Hugo.....	Ginn & Co.
Readings from French History, Super.....	Allyn & Bacon
Sans Famille, Malot.....	D. C. Heath & Co.
Simplicité, Tuckerman.....	American Book Company

Latin.

Caesar's Gaelic Wars, Harkness and Forbes..	American Book Company
Caesar's Gaelic Wars, Allen and Greenough.....	Ginn & Co.
Caesar's Gaelic Wars, Kelsey.....	Allyn & Bacon
Cicero's Orations, Kelsey.....	Allyn & Bacon
Cicero's Orations, Allen and Greenough.....	Ginn & Co.
Cornelius Nepos, Lindsay.....	American Book Company
First Book in Latin, Tuell and Fowler.....	Sanborn & Co.
First Latin Book, Collar and Daniell.....	Ginn & Co.
Gate to Caesar, Collar.....	Ginn & Co.
Gate to Vergil, Gleason.....	Ginn & Co.
Latin Composition, Bennett.....	Allyn & Bacon
Latin Composition, Daniell.....	Sanborn & Co.
Latin Grammar, Allen and Greenough.....	Ginn & Co.
Latin Grammar, Bennett.....	Allyn & Bacon
Latin Grammar, Harkness.....	American Book Company
Metamorphoses (Ovid), Gleason.....	American Book Company
Metamorphoses (Ovid), Peck.....	Ginn & Co.
Practical Latin Composition, Collar.....	Ginn & Co.
Sight Reading, Tomlinson.....	Ginn & Co.
Vergil, Comstock.....	Allyn & Bacon
Vergil, Greenough and Kittredge.....	Ginn & Co.

Greek.

Anabasis (Xenophon's), Goodwin and White.....	Ginn & Co.
First Greek Book, White.....	Ginn & Co.
Greek Grammar, Goodwin.....	Ginn & Co.
Greek Reader, Goodwin.....	Ginn & Co.
Greek Composition, Woodruff.....	Sibley & Co.
Hellenica Xenophon, Manatt.....	Ginn & Co.
Iliad, Seymour, Books I-III., I-VI.....	Ginn & Co.
Iliad, Benner, Selections.....	D. Appleton & Co.
Lexicon, Siddell and Scott.....	American Book Company

Spanish.

A Spanish Grammar, Hills and Ford.....	D. C. Heath & Co.
A Spanish Reader, Bransby.....	D. C. Heath & Co.

Miscellaneous.

Bible	
Classical Atlas	
Collegiate Dictionary	
Euterpean, Tufts.....	Silver, Burdett & Co.
Glee and Chorus Book	
International Dictionary, Webster	
Laurel Song Book, Tomlins.....	C. C. Birchard & Co.
Mechanical Drawing, Tracy.....	Harper & Brothers
Standard Dictionary	
Worcester's Dictionary (small), Worcester	
Webster's Dictionary (small), Webster	

Arithmetics.

First Lessons in Numbers.....	Benjamin H. Sanborn & Co.
Walton and Holmes's, Book I.....	American Book Company
Walton and Holmes's, Book II.....	American Book Company
Walton and Holmes's, Book III.....	American Book Company
Walton and Holmes's, Book IV.....	American Book Company

Single Entry Bookkeeping, Meservey.....Thompson, Brown & Co.

Clarendon Dictionary.....	American Book Company
International Dictionary, Webster.....	G. & C. Merriam Company
Standard Dictionary	
Student's Dictionary	
Webster's High School Dictionary.....	G. & C. Merriam Company
Webster's Common School Dictionary	
Webster's Collegiate Dictionary	
Worcester's Dictionary	

Elementary Physical Geography, Tarr.....	Macmillan Company
First Steps in Geography, Frye.....	Ginn & Co.
Grammar School Geography, Part I., Frye.....	Ginn & Co.
Grammar School Geography, Part II., Frye.....	Ginn & Co.
Grammar School Geography, Complete, Frye.....	Ginn & Co.
Grammar School Geography, Tilden.....	B. H. Sanborn & Co.
Home Geography, Long.....	American Book Company
Natural School Geography, Part I.....	American Book Company
Natural School Geography, Part II.....	American Book Company
Physical Geography, Maury.....	University Publishing Company
First Book in Geography, Part I., Tarr and McMurry,	Macmillan Company
First Book in Geography, Part II., Tarr and McMurry,	Macmillan Company

American History, Sheldon-Barnes.....	D. C. Heath & Co.
Beginners' History, Montgomery.....	Ginn & Co.
First Book in American History, Eggleston..	American Book Company
History of the United States, Eggleston.....	American Book Company
History of the United States, Fiske.....	Houghton Mifflin Company
History of the United States, Thomas.....	D. C. Heath & Co.
Leading Facts of United States History, Montgomery.....	Ginn & Co.
Our Country's Story, Tappan.....	Houghton Mifflin Company
School History of the United States, McMaster,	American Book Company

Elements of Composition and Grammar, Southworth and Goddard,
B. H. Sanborn & Co.
First Lessons in Language, Southworth and Goddard,
B. H. Sanborn & Co.

Laurel Music Reader, Tomlins.....	C. C. Birchard & Co.
Normal First Music Reader, Tufts and Holt.....	Silver, Burdett & Co.
Normal Second Music Reader, Part I, Tufts and Holt,	Silver, Burdett & Co.

Normal Second Music Reader, Part II., Tufts and Holt,	Silver, Burdett & Co.
Normal Second Music Reader, Parts I. and II., Tufts and Holt,	Silver, Burdett & Co.
Silver Song Series	
The Cecilian, Book I., Tufts.....	Silver, Burdett & Co.
The Cecilian, Book II., Tufts.....	Silver, Burdett & Co.
The Cecilian, Book III., Tufts.....	Silver, Burdett & Co.
The Cecilian, Book IV., Tufts.....	Silver, Burdett & Co.

Spellers.

Graded City Speller, Second Grade, Part I., Chancellor,	Macmillan Company
Harrington's Speller, Part I.....	American Book Company
Harrington's Speller, Part II.....	American Book Company
Harrington's Speller, Complete.....	American Book Company
Quincy Word List, Parlin.....	Silver, Burdett & Co.
Word Builder, Gage and O'Loughlin.....	B. H. Sanborn & Co.

Physiologies.

Child's Book of Health, Blaisdell.....	Ginn & Co.
Control of Body and Mind, Gulick.....	Ginn & Co.
Emergencies, Gulick.....	Ginn & Co.
Good Health, Gulick.....	Ginn & Co.
Health for Little Folks, Blaisdell.....	Ginn & Co.
How to Keep Well, Blaisdell.....	Ginn & Co.
Our Bodies and How We Live, Blaisdell.....	Ginn & Co.
Physiology and Health, No. 1, Hunt.....	American Book Company
Physiology and Health, No. 2, Hunt.....	American Book Company
The Body at Work, Gulick.....	Ginn & Co.
Town and City, Gulick.....	Ginn & Co.

Reading and Literature.

Aldine Primer, Spaulding and Bryce.....	Newson & Co.
Aldine First Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Second Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Third Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Fourth Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Fifth Reader, Spaulding and Bryce.....	Newson & Co.
Aldine Short Stories for Little Folks, Spaulding and Bryce,	Newson & Co.
Aldine That's Why Stories, Spaulding and Bryce.....	Newson & Co.
Arnold Primer.....	Silver, Burdett & Co.
Cyr's Primer.....	Ginn & Co.
Cyr's Reader, by grades, Book I.....	Ginn & Co.
Cyr's Reader, by grades, Book II.....	Ginn & Co.
Cyr's Reader, by grades, Book III.....	Ginn & Co.
Cyr's Reader, by grades, Book IV.....	Ginn & Co.
Cyr's Reader, by grades, Book V.....	Ginn & Co.
Cyr's Reader, by grades, Book VI.....	Ginn & Co.
Cyr's Reader, by grades, Book VII.....	Ginn & Co.
Cyr's Reader, by grades, Book VIII.....	Ginn & Co.
Cyr's Dramatic Reader.....	Ginn & Co.
Davis's Second Reader.....	University Publishing Company
Graded Literature, Book I., Judson and Bender....	C. E. Merrill & Co.
Graded Literature, Book II., Judson and Bender....	C. E. Merrill & Co.
Graded Literature, Book III., Judson and Bender....	C. E. Merrill & Co.
Graded Literature, Book IV., Judson and Bender....	C. E. Merrill & Co.
Graded Literature, Book V., Judson and Bender....	C. E. Merrill & Co.

Graded Literature, Book VI., Judson and Bender..	C. E. Merrill & Co.
Graded Literature, Book VII., Judson and Bender..	C. E. Merrill & Co.
Graded Literature, Book VIII., Judson and Bender..	C. E. Merrill & Co.
Hawthorne Reader, Book I.....	Globe School Book Company
Hawthorne Reader, Book II.....	Globe School Book Company
Hawthorne Reader, Book III.....	Globe School Book Company
Hawthorne Reader, Book IV.....	Globe School Book Company
Hawthorne Reader, Book V.....	Globe School Book Company
Holton Primer.....	Rand, McNally & Co.
Sprague Classic Reader, Book I.....	Educational Publishing Company
Sprague Classic Reader, Book II.....	Educational Publishing Company
Sprague Classic Reader, Book III.....	Educational Publishing Company
Sprague Classic Reader, Book IV....	Educational Publishing Company
Sprague Classic Reader, Book IV., Part 1,	Educational Publishing Company
Sprague Classic Reader, Book IV., Part 2,	Educational Publishing Company
Sprague Classic Reader, Book V.....	Educational Publishing Company
Sprague Classic Reader, Book V., Part 1,	Educational Publishing Company
Sprague Classic Reader, Book V., Part 2,	Educational Publishing Company
Ward's Primer.....	Silver, Burdett & Co.
Ward's First Reader.....	Silver, Burdett & Co.
Ward's Second Reader.....	Silver, Burdett & Co.
Ward's Third Reader.....	Silver, Burdett & Co.
Ward's Additional Primer.....	Silver, Burdett & Co.
Ward's Additional First Reader.....	Silver, Burdett & Co.
Wide Awake Primer, Murray.....	Little, Brown & Co.
Wide Awake First Reader, Murray.....	Little, Brown & Co.

Supplementary Reading.

Action, Imitation, and Fun Series,	Pratt-Chadwick,
	Educational Publishing Company
Bow-Wow and Mew-Mew	
Hop O' My Thumb	
Jack and the Beanstalk	
Jack the Giant Killer	
Little Red Riding Hood	
Puss-in-Boots	
The Little People's Sound Primer	
The Little Red Hen	
The Three Pigs	
The Three Bears	
The Three Little Kittens	
Aesop's Fables, Stickney.....	Ginn & Co.
Baldwin's Fairy Stories and Fables.....	American Book Company
Beacon Lights of Patriotism, Carrington.....	Silver, Burdett & Co.
Child Life, Primer, Blaisdell.....	Macmillan Company
Child Life, No. 1, Blaisdell.....	Macmillan Company
Child Life in Tale and Fable, No. 2, Blaisdell.....	Macmillan Company
Child Life in Many Lands, No. 3, Blaisdell.....	Macmillan Company
Child Life in Literature, No. 4, Blaisdell.....	Macmillan Company
Child Life, Fifth Reader, Blaisdell.....	Macmillan Company
Colonial Massachusetts, Dawes.....	Silver, Burdett & Co.
Each and All, Andrews.....	Ginn & Co.
Fable and Folk Stories, Scudder.....	Houghton Mifflin Company
Finch Primer.....	Ginn & Co.
Four Great Americans, Baldwin.....	American Book Company

- Four American Patriots, Burton.....American Book Company
 Great Artists, No. 1, Keyson.....Educational Publishing Company
 Great Artists, No. 2, Keyson.....Educational Publishing Company
 Great Artists, No. 3, Keyson.....Educational Publishing Company
 Great Artists, No. 4, Keyson.....Educational Publishing Company
 Great Artists, No. 5, Keyson.....Educational Publishing Company
 Geographical Readers, Carpenter.....American Book Company
 North America
 South America
 Europe
 Asia
 Africa
 Australia
 How the World Is Clothed
 How the World Is Fed
 Geographical Readers, Book I., Carroll.....Silver, Burdett & Co.
 Geographical Readers, Book II., Carroll.....Silver, Burdett & Co.
 Geographical Readers, Book III., Carroll.....Silver, Burdett & Co.
 Geographical Readers, Book IV., Carroll.....Silver, Burdett & Co.
 Grimm's Fairy Tales.....Houghton Mifflin Company
 Heroic Ballads, Montgomery.....Ginn & Co.
 History Reader for Elementary Schools, Wilson...Macmillan Company
 Lights to Literature, No. 1, Lane.....Rand, McNally & Co.
 Lights to Literature, No. 2, Lane.....Rand, McNally & Co.
 Lights to Literature, No. 3, Lane.....Rand, McNally & Co.
 Lights to Literature, No. 4, Lane.....Rand, McNally & Co.
 Lights to Literature, No. 5, Lane.....Rand, McNally & Co.
 Lights to Literature, No. 6, Lane.....Rand, McNally & Co.
 Lights to Literature, No. 7, Lane.....Rand, McNally & Co.
 Lights to Literature, No. 8, Lane.....Rand, McNally & Co.
 Little Betty Marigold.....C. M. Clark Publishing Company
 Little Daffydowndilly, Hawthorne.....Houghton Mifflin Company
 Masterpieces of American Literature.....Houghton Mifflin Company
 Noble Deeds of Our Fathers, Watson,
 Lothrop, Lee & Shepard Company
 New Education Reader, Book I., Demarest and Van Sickle,
 American Book Company
 New Education Reader, Book II., Demarest and Van Sickle,
 American Book Company
 New Education Reader, Book III., Demarest and Van Sickle,
 American Book Company
 Seven Little Sisters, Andrews.....Ginn & Co.
 Stepping Stones to Literature, No. 1, Arnold and Gilbert,
 Silver, Burdett & Co.
 Stepping Stones to Literature, No. 2, Arnold and Gilbert,
 Silver, Burdett & Co.
 Stepping Stones to Literature, No. 3, Arnold and Gilbert,
 Silver, Burdett & Co.
 Stepping Stones to Literature, No. 4, Arnold and Gilbert,
 Silver, Burdett & Co.
 Stepping Stones to Literature, No. 5, Arnold and Gilbert,
 Silver, Burdett & Co.
 Stepping Stones to Literature, No. 6, Arnold and Gilbert,
 Silver, Burdett & Co.
 Stepping Stones to Literature, No. 7, Arnold and Gilbert,
 Silver, Burdett & Co.
 Stepping Stones to Literature, No. 8, Arnold and Gilbert,
 Silver, Burdett & Co.

Stories of American Life and Adventure, Eggleston,	American Book Company
Stories of Great Americans, Eggleston.....	American Book Company
Stories from New England History, Hawthorne,	Houghton Mifflin Company
Stories of the English, Guerber.....	American Book Company
Stickney's First Reader.....	Ginn & Co.
Stickney's Second Reader.....	Ginn & Co.
Stickney's Third Reader.....	Ginn & Co.
Stickney's Fourth Reader.....	Ginn & Co.
Stickney's Alternate Fourth Reader.....	Ginn & Co.
Stickney's Fifth Reader.....	Ginn & Co.
Sunbonnet Babies' Primer, Grover.....	Rand, McNally & Co.
Sunshine Primer, Noyes and Guild.....	Ginn & Co.
The World and Its People Series, Dunton.....	Silver, Burdett & Co.
Book I., First Lessons	
Book II., Glimpses of the World	
Book III., Our Own Country	
Book IV., Our American Neighbors	
Book V., Modern Europe	
Book VI., Life in Asia	
Book VII., Views in Africa	
Book VIII., Australia and the Islands of the Sea	
Book IX., Hawaii and Its People	
Book X., South American Republics	
Book XI., Story of the Philippines	
Wonder Book, Hawthorne.....	American Book Company
Five-Cent Classics	
Ten-Cent Classics	

AUTHORIZED BOOKS FOR EVENING SCHOOLS.

English for Foreigners, O'Brien.....	Houghton Mifflin Company
First Book for Non-English-Speaking People, Cunningham,	D. C. Heath & Co.
Second Book for Non-English-Speaking People, Harrington	
and Moore.....	D. C. Heath & Co.
Reading and Language Lessons for Evening Schools, Chancellor,	American Book Company
The New American Citizen, Mintz.....	Macmillan Company

TABLE D. — COMPARATIVE STATISTICS OF THE TRUANCY DEPARTMENT.

	1910.	1911.	Change.
Number of cases investigated	1,600	1,953	+353
Number of cases found to be truancy or absenteeism	296	402	+136
Number of different pupils who were truants or habitual absentees	219	318	+99
Number who were truants for the first time	142	252	+110
Number who were truants for the second time	35	96	+61
Number who were truants for three or more times	118	54	—64
Number of girls who were truants or absentees	19	69	+50
Number of truants from the high school	5	20	+15
Number of truants or absentees from the public schools	115	329	+214
Number of truants or absentees from the parochial schools	104	73	—31
Number of complaints to the court for truancy	11	12	+1
Number placed on probation by the court	9	4	—5
Number committed to the County Training school	3	8	+5
Number of complaints made to the court for illegally keeping children out of school	1	4	+3
Number of convictions secured for illegally keeping children out of school	1	4	+3
Number of visits to the schools	617	771	+154
Number of visits to the homes	1,561	1,810	+249
Number of cases of parental neglect of children found and reported to charitable institutions	15	13	—2
Number of cases of removal of children from the custody of parents by order of the court	5	3	—2
Number of visits to mercantile or manufacturing establishments	26	49	+23
Number of minors found to be working without age and schooling certificates	28	51	+23
Number of age and schooling certificates issued to boys	277	264	—13
Number of age and schooling certificates issued to girls	204	255	+51
Number of certificates of literacy issued to minors over 16 years of age	124	374	+250
Number of newspaper licenses issued to boys 11 to 14 years of age for school year 1910 and 1911 . . . . .	....	117	....
Number of transfer cards investigated	975	1,315	+340
Number of truants in the County Training school at the close of the year	13	15	+2
Amount paid for board of truants	\$618.28	548.72	—69.56
Salaries of the Truant { Benjamin R. Jones	1,250.00	1,300.00	+50.00
Officers - { Jairus Mann	50.00	50.00	....

Table of Truancies and Absenteeism by Ages and Grades.

GRADE.	BY AGES.											Totals.
	6	7	8	9	10	11	12	13	14	15	16 or Over	
I. . . .	3	3	5	3	1	..	..	2	..	..	..	17
II.	9	3	..	1	2	..	..	2	3	1	21
III.	12	12	10	1	..	1	..	..	..	36
IV.	2	11	17	13	11	9	4	..	..	67
V.	2	9	14	26	6	6	..	..	63
VI.	8	9	22	12	2	..	53
VII.	3	6	29	12	10	..	60
VIII.	14	12	7	..	33
IX.	1	3	2	..	6
X.	1	5	6	..	12
XI.	2	2	3	7
XII.	1	..	1
Industrial	6	13	2	21
Ungraded	1	..	..	..	..	..	2	..	2	5
	3	12	23	28	38	41	52	85	66	46	8	402

Truants and Absentees by Schools.

School.	No. of Truants.
High	20
Prescott	31
Hanscom	4
Bennett	33
Baxter	6
Knapp	18
Perry	5
Pope	15
Bell	9
Cummings	2
Edgerly	11
Glines	6
Forster	12
Bingham	19
Carr	45
Morse	12
Proctor	6
Durell	6
Burns	6
Brown	8
Highland	3
Hodgkins	20
Lincoln	1
Lowe	5
Industrial School for Boys.....	21
Highland Evening	5
Parochial	73
Total	402

PUBLIC LIBRARY.

BOARD OF TRUSTEES AND OFFICERS.

Trustees.

THOMAS M. DURELL, M. D.
J. FRANK WELLINGTON.
FREDERICK W. PARKER.
WILLIAM L. BARBER.
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CHARLES M. AMBROSE.
GEORGE WHITING.
†WILLIAM H. DOLBEN.

Officers.

THOMAS M. DURELL, M. D.	President
DREW B. HALL,	. . . . .	Secretary

Committees.

Administration—Wellington, Parker, and Noyes.

Books and Catalogues—Noyes, Barber, Wellington, Hamilton, and Ambrose.

Buildings and Grounds—Burgess, Whiting, Ambrose, and Dolben.

Finance—Barber, Parker, Burgess, and Dolben.

*Resigned June, 1911.

†Qualified October 10, 1911, for unexpired term of Mr. Burgess.

REPORT OF THE TRUSTEES.

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—The thirty-ninth annual report of the trustees of the public library is herewith respectfully submitted.

The year has been marked by the loss from his place of our librarian, Sam Walter Foss, of beloved memory. The library grew, under his charge, to great usefulness and power, and served this community both in study and in recreation. As his successor, Drew B. Hall has been chosen librarian.

Our public library must meet the needs of a great and increasing population, having in its proportion of readers and library users few equals in the country. For the first time the gross yearly circulation has exceeded half a million. To meet this demand all our resources have, by every possible device, been strained to the utmost. The accommodations of the central building have been in many ways readjusted better to serve readers and students and home users of books. Facility of distribution has been promoted by permitting the drawing of any reasonable number of books of non-fiction, by methods of renewing books by mail, telephone, or in person, and of reserving desired volumes. A selected and annotated list of 2,000 of the most used novels has been issued; and a very full and careful seventy-page catalogue listing the music scores and works about music both in the central and branch collections. The library staff and its work have been reorganized with a notable increase of competence and efficiency. A well-considered scheme for a graded service has been adopted, seeking to attract and develop a corps of assistants which shall be appointed, promoted, and retained for educational and technical qualifications and efficiency.

But after all is done, the library is fairly strangled, its work impaired, and its growth arrested by lack of sufficient and suitable accommodations at the central building. Years ago the trustees called attention to the increased difficulty of doing the library's business in its outgrown quarters. The growth since then, both of population and readers, has exceeded all expectation, so that relief from crowded conditions is immediately necessary. Though book stacks and shelves will hold but few more volumes, the worst crowding is in the accommodations offered the users of the building. The reading room seats but twenty-four (24) persons; the reference room is so isolated that few persons realize there is such a department; the art and Americana rooms, containing large and very valuable collec-

tions on these special subjects, were visited by but eighty-six and sixty-seven persons respectively during the twelve months of 1911. The increase in circulation has kept pace, during the last twenty-five years, with the increase of books, so that it is now seven times as great, but the use of the reference collection, for serious study, has not increased, for the accommodations in this department have not been enlarged or in anywise made more attractive.

The working space for the staff is entirely inadequate to the very large amount of detail necessary to the cataloguing of 8,000 volumes a year, the use, repair, and accounting for a collection of 100,000 volumes, from which a circulation of 530,000 volumes is rolled up in a twelve-month. There are but eight desks and two places at the loan counter for the eighteen persons who do desk work; neither are there any lockers for personal effects, and only hooks in a dark semi-public hall-way 3x8 feet for the wraps of eighteen (18) assistants.

A small boy once asked a librarian for a book that would tell "how to get educated and how to stay so." This is exactly the function of a public library; not only to educate people, but to keep them educated by giving them constantly the very best. It should be not so much a storehouse of knowledge as a distributing center of knowledge, treating all persons and all questions alike. To do this we must have proper facilities.

The attention of the city government and the interest of the citizens is called to the duty of providing such material enlargement as shall enable the library to continue its great work and hold its leading place among American libraries.

Our thanks are due to the members of the staff for their splendid co-operation in one of the most successful years of the library's existence.

Respectfully submitted,

(Signed)

THOMAS M. DURELL,
President.

Adopted by the board of trustees January 30, 1912.

Attest:

DREW B. HALL,
Secretary.

THE PUBLIC LIBRARY.
Central Building, Highland Avenue.

The Reference Room and the Circulating Department: Week days
(excepting holidays), 9 A. M. to 9 P. M.
The Reading Room: Week days (excepting holidays), 9 A. M. to 9
P. M.; Sundays, 2 to 6 P. M.
The Children's Room: Week days for reading and circulation, 9 A. M.
to 8 P. M.; Sundays (for reading only), 2 to 6 P. M.

WEST SOMERVILLE BRANCH.

College Avenue.

All departments: Week days, 1 to 9 P. M.; and on Saturdays, 9 A. M.
to 1 P. M. in addition.

East Somerville Agency, corner Franklin and Pearl Streets.
Union Square Agency, 26 Union Square.
South Somerville Agency, 518 Somerville Avenue.

Librarian.

*SAM WALTER FOSS.

†DREW B. HALL.

Assistant Librarian.

NELLIE M. WHIPPLE.

Library Assistants.

Mabel E. Bunker, Reference and Art Librarian.
Bessie S. Cobb, West Somerville Branch.
Bessie L. Duddy, Stenographer.
Ruth S. Fales, West Somerville Branch.
Edith B. Hayes, Assistant Cataloguer.
Esther M. Mayhew, Cataloguer.
A. Myrtle Merrill, Binding and Circulating Departments.
Zoe E. Nelson, Circulating Department.
Myrtle Nicholson, Circulating and Cataloguing Departments.
Ethel M. Nute, West Somerville Branch.
A. Lisette Parker, Circulating Department.
Alice W. Sears, Librarian, West Somerville Branch.
Helen Spear, Circulating Department.
Anna L. Stone, Children's Librarian.
Ruby G. White, Agencies, and Circulating Department.
Mary S. Woodman, School Librarian.

Charles A. Southwick, Janitor, Central.

Thomas O'Day, Janitor, West Somerville Branch.

William Mullanny, Messenger.

Substitutes and Pages, on Special and Part Time.

Annie M. Currie.
Edgar L. Kaula.
Oscar Cederlund.
Dudley Holden.

Mary L. Foss.
Richard Barlow.
Thomas A. West.
Ronald Moore.

*Deceased, February 26, 1911.

†Qualified, May 5, 1911.

REPORT OF THE LIBRARIAN.

To the Trustees of the Somerville Public Library:—

I herewith submit the thirty-ninth annual report of the librarian for the calendar year 1911:—

Growth.

To Central 6,917 volumes were added, to West Somerville 1,763, a total of 8,680, of which 4,430 were new to the library and 4,250 were duplicates or replacements. During the last half of the year figures were kept showing the number of volumes added to each of the various classes, as has never been done before. While the results do not account for every volume added, they indicate that about forty per cent. of the purchases, or 3,500 volumes in round numbers, were fiction; of the 930 volumes added in October 366 were fiction. So great is the wear and tear of our circulation that 2,538 volumes were worn out and rejected from Central and 440 from West Somerville, a total of 2,978, which, subtracted from the additions as above, brings the net increase down to 5,702; which, added to the 98,164 in the library on January 1, 1911, make the gross total January 1, 1912, for the first time exceed the one hundred thousand mark in the sum of 103,866 volumes.

The processes incident to the invoicing, classifying, cataloguing, and preparing for circulation of so many thousands of additions, and the equally time-consuming processes of withdrawing worn-outs have required more painstaking and detail work than ever from the cataloguing force. Besides these regular duties, the special ones of preparing the catalogues of select fiction and of music have fallen to this department. The accommodations afforded by the catalogue room are totally inadequate to the yearly increasing requirements, which are accomplished only with grave risk of error and at the expenditure of an undue amount of labor and time.

Registration.

The number of readers' personal cards issued on the present registration during the last four years numbers just short of 30,000. Many of these cards, of course, are no longer in use; some of them are in the hands of other persons than those to whom they were issued; and the presence of thousands of unused readers' cards and records in the library's files add considerably to their bulk and to the difficulty of working them quickly and carefully. For these and certain minor reasons, it would be well during the coming year to begin re-registration on some plan by which cards would automatically

expire at the end of some chosen period, such as three years, and then be renewed.

During this year 3,917 new readers' cards were issued, 2,576 from Central and 1,341 from West Somerville, not including 415 special "vacation" cards.

Use of Books.

The circulation, or home use, from Central was 219,679, actual count; at West Somerville 127,160; at the East Somerville agency 12,403; at the Union-square agency 8,631, a total of actually counted use of 367,873. There were in school-rooms, Sunday schools, fire stations, and other places of deposit from 1,300 to 9,000 volumes at any one time according to the season of the year. The use of these estimated on the "old" basis, of one circulation per volume every fortnight, amounted to 162,133 for the year. The total, therefore, of the actually-counted circulation plus this estimate was 530,006. On the same basis in 1910 the total was 489,363, with actually-counted circulation 352,272, and an estimate 137,091. I do not look for a large increase over the circulation of last year except at the new reading rooms in East Somerville and Union square. For these neighborhoods, which have hardly been reached heretofore, will doubtless develop a large "new business."

The reference work, on the other hand, has not shown the increase it ought to; in fact, there has been a steady decrease during the last dozen years. The accommodations for readers in the building have not during that time been increased, and are lamentably small for a population and circulation the size of Somerville's. The reference room is, by common consent, badly placed and arranged, and there seems to be no doubt that its service to the public would be much greater if it were situated on the ground floor, so that it would be more often noticed and more easily reached.

Methods of renewing books by mail, telephone, or in person when the first period of loan has expired have been introduced; also of reserving a volume which is desired, but seems always "out." Facility of distribution has also been promoted by permitting the drawing of any reasonable number of books of non-fiction, so that now a reader may draw on one card one novel, two unbound periodicals, and any number of non-fiction. Many readers avail themselves of these efforts to "get the right book to the right person," and gratefully express their appreciation.

Publications and Exhibitions.

Sixteen collections of photographs, or engravings, have been shown during the year. They exhibited, among other subjects: The Rise of Architecture in Italy, Transportation

without Steam or Electricity, Eighteenth Century Color Prints, James McNeill Whistler, The Yosemite Valley, Japanese Color Prints, Mount Shasta, American warships. Attention is again called to the deplorable lack of wall space suitable for these exhibitions. Very few visitors now see them in the small passageway on the second floor, where they must be hung.

The regular bulletin was issued monthly as heretofore.

A select and annotated list of 2,000 of the most used and worthy novels was issued in the fall, and there is now just ready a very carefully prepared seventy-page catalogue of music scores and books about music in both the central and branch collections. These contain several thousand scores of the greatest permanent and popular interest. During the compilation of the catalogue upwards of 800 volumes and scores recommended in the American Library Association's special list for library purchase were added to round out certain departments.

The local newspapers have been of great assistance in calling attention to the library in frequent notices of its aims and doings.

The Staff.

A well-considered "Scheme of Service," grading the various employees, has been adopted. It provides that the staff of the library "shall be appointed, promoted, and retained for educational and technical qualifications and efficiency," as determined by examinations suitable to the position in question, and by carefully kept experience ratings covering the work already done by the candidate. The salary of the lowest grade has been increased from \$200 to \$360, and the schedule made 40.5 hours per week. This time is regularly "divided into eleven periods, nine day and two evening, not exceeding two periods being required in one day," and is now so arranged that twenty-four hours, from noon of one day to noon of the next, are free during the less busy days in the middle of the week.

To his co-workers on the staff the librarian wishes to render most sincere thanks for their ready and loyal support in the beginnings of new undertakings.

To the trustees he is particularly grateful for their personal confidence, as well as for their official assistance and support in the accomplishments of the past six months, and in various projects under consideration, but not yet brought to the stage of completion.

Very respectfully,

DREW B. HALL,
Librarian,

December 30, 1911.

ACCESSIONS.

In Central January 1, 1911, including Agencies and Deposits	88,921	
Added, new titles	3,401	
Added, duplicates	3,516	
	<hr/>	
Total additions	6,917	
Worn out	2,538	
	<hr/>	
Net gain	4,379	
	<hr/>	
In Central January 1, 1912		93,300
In West Somerville Branch January 1, 1911	9,243	
Added, new titles	1,029	
Added, duplicates	734	
	<hr/>	
Total additions	1,763	
Worn out and withdrawn	440	
	<hr/>	
Net gain	1,323	
	<hr/>	
In West Somerville Branch January 1, 1912		10,566
	<hr/>	
Total volumes in Public Library		103,866

DEPOSITS.

Volumes on Deposit from Three Months to a Year.

In 191 School Rooms	7,432
In Sunday Schools, Clubs, etc.	1,606
	<hr/>
Total out on deposit	9,038
Circulation, estimated on "old" basis that each volume is used once during each fortnight it is out on deposit	162,133

CIRCULATION.

Central	219,679
West Somerville Branch	127,160
East Somerville Agency	12,403
Union Square Agency	8,631
	<hr/>
Actual counted circulation	367,873
Estimated circulation of Deposits as above	162,133
	<hr/>
Total Volumes circulated for home use	530,006

FINANCIAL STATEMENT.

CENTRAL.

Including Agencies, Deposits, and Cataloguing, etc., for Branches.

RECEIPTS.

City Appropriation	\$17,000 00
Dog Tax	3,949 82
Books lost and paid for	7 05
Fines	895 15
Total	<u>\$21,852 02</u>

EXPENDITURES.

Books	\$6,216 49
Music	726 68
Periodicals	668 37
Binding	2,786 73
Printing	729 20
Stationery and Supplies	329 95
Fittings	409 87
Salaries	9,281 41
Agencies	352 68
Express	203 95
Postage and Telephone	97 23
Sundries	49 46

\$21,852 02

WEST SOMERVILLE BRANCH.

RECEIPTS.

City Appropriation	\$5,000 00
Fines	501 53
Total	<u>\$5,501 53</u>

EXPENDITURES.

Books	\$2,091 44
Music	214 74
Periodicals	334 43
Binding	683 38
Printing	6 00
Stationery and Supplies	89 43
Fittings	5 63
Salaries	2,008 26
Express	35 37
Postage and Telephone	26 82
Sundries	6 03

5,501 53

EAST SOMERVILLE READING ROOM.

RECEIPTS.

City Appropriation	\$195 35
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EXPENDITURES.

Books	\$90 65
Periodicals	104 70

195 35

Amount carried forward \$27,548 90

ACCESSIONS.

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EAST SOMERVILLE READING ROOM.

RECEIPTS.

City Appropriation	\$195 35
------------------------------	----------

EXPENDITURES.

Books	\$90 65
Periodicals	104 70

195 35

Amount carried forward \$27,548 90

Amount brought forward \$27,548 90

UNION SQUARE READING ROOM.

RECEIPTS.

City Appropriation \$184 45

EXPENDITURES.

Books \$184 45

	184 45
Isaac Pitman Art, Books and Pictures	57 37

Total expended under the Trustees	\$27,790 72
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On account of building maintenance, the
Commissioner of Public Buildings, re-
ceived:—

For Central	\$3,750 00
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For West Somerville Branch	1,750 00
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5,500 00

Total operating expenses	\$33,290 72
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BOARD OF HEALTH.

1911.

WESLEY T. LEE, M. D., Chairman.

JACKSON CALDWELL.

WILLIAM P. FRENCH.

Clerk and Agent to Issue Burial Permits.

GEORGE H. GALPIN.

Agent.

CALEB A. PAGE.

Medical Inspector.

FRANK L. MORSE, M. D.

Inspector of Animals and Provisions.

CHARLES M. BERRY, V. S.

Inspector of Milk and Vinegar.

HERBERT E. BOWMAN, Ph. G.

Plumbing Inspector.

DUNCAN C. GREENE.

Superintendent of Collection of Refuse and Garbage.

EDGAR T. MAYHEW.

REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH, }
City Hall, January 1, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the thirty-fourth annual report of the board of health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the board for the year ending December 31, 1911:—

Nuisances.

A record of nuisances abated during the year, in compliance with notices issued by the board, or under the board's direction, is presented in the following table:—

Complaints investigated and cause removed:—

Animals kept in cellar	2
Ashes and rubbish in yard	42
Buildings, foul odor in	4
Cellars, water in	16
Cellars filthy	6
Committing nuisances in buildings	4
Complaints investigated, no cause found	26
Dumping grounds, papers blown from	1
Fish, foul odors from	5
Garbage thrown in yards	9
Garbage collected unlawfully	1
Manure heaps, foul odor from	12
Milk rooms, screens not on	23
Plumbing unsanitary	14
Poultry yards as a nuisance	11
Privy vaults, foul odor from	1
Sewer openings, foul odor from	1
Slops thrown on ground or from window	9
Stables offensive	26
Stores (bakeries) whitewashed	12
Screens not on carts	8
Screens not on fruit store	1
Screens not on bakeries	5
Standing water, foul odor from	3
Standing water under stables	7
Tenements overcrowded	4
Tenements filthy	3
Tenements unsanitary	2
Unlicensed animals	6
Unclassified	8
Water-closets, foul odors from	37
Water-closets without water	4
Yards filthy	106

Total	419
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Number of nuisances abated	419
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Number of nuisances referred to board of 1911	8
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Number of nuisances complained of	427
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In addition to the above, 269 dead animals have been re-

moved from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the board, of which no record has been made. Each spring the whole city is examined, and cellars, yards, and alleyways where rubbish and filth have collected are required to be cleaned.

Glanders.—Forty-seven cases of glanders have been reported during the year. Prompt action was taken in every case, and forty-one of the horses were killed, six being released from quarantine by order of the cattle commissioners.

Permits.

The record of permits to keep cows, swine, goats, and hens, and to collect grease is as follows:—

Cows.—Thirty-one applications were received for permits to keep seventy-three cows. Twenty-seven permits to keep sixty-five cows were granted, and four permits were refused.

Swine.—Eighteen applications were received for permits to keep thirty-seven swine, sixteen of which were granted to keep thirty-four swine. The fee is one dollar for each swine.

Goats.—Three applications were received for permits to keep three goats, all of which were granted. The fee is one dollar for each goat.

Hens.—One hundred and two applications for permits to keep 1,690 hens were received. Eighty-three permits to keep 1,358 hens were granted, and nineteen permits were refused.

Grease.—Twelve applications were received for permits to collect grease. Twelve permits were granted. The fee is two dollars. Five of the parties licensed reside in Somerville, two in Charlestown, three in Cambridge, one in Boston, and one in Malden.

Melting and Rendering.—Four parties have been licensed to carry on the business of melting and rendering, under the provisions of the revised laws of 1902, chapter 75, section 111, for which a fee of one dollar is charged.

Pedlers.

Three hundred and three certificates of registration were issued to hawkers and pedlers during the year under the provisions of ordinance number 29—an increase of 114 over the year 1910. Each pedler is required to present a statement from the sealer of weights and measures, showing that his measures have been properly sealed, before a certificate is issued to him. Pedlers are also required to present their vehicles at the police station the first Monday of each month for inspection by the agent of the board, that he may see if they are kept in a clean condition, and are properly marked with the owner's name and number.

Since May 3, 1911, in pursuance of action taken by the board on that date all pedlers have been required to pay a fee of one dollar for each certificate of registration issued. The majority of the pedlers had renewed their certificates prior to this date for the year 1911, and, therefore, there were only \$74 realized from this source. As is shown by the number of certificates issued there will be a large increase in this revenue the coming year.

Ashes and Offal.

The collection and disposal of ashes, garbage, and other refuse materials was under the control of the board of health, and a competent superintendent was employed to take charge of this department. December 30, 1911, an ordinance was passed, to take effect January 1, 1912, transferring the collection of refuse and garbage to the highway department.

To do this work eighty-four men are employed, and the department owns and uses thirty-six horses, twenty ash carts, five paper wagons, and fourteen garbage wagons.

Ashes.—The ashes and non-combustible materials are deposited upon the city dumps at Winter Hill and West Somerville. The contract awarded to Paul N. Raymond for the use of the incinerator plant and the materials brought there by the board of health wagons was terminated in April, and the contract awarded to Demenico Stefano at \$85 per month from September 1.

During the year 53,020 loads of ashes and 3,140 loads of refuse material have been collected and disposed of.

The arrangement of districts and days of collection is as follows:—

DISTRICT NO. 1—MONDAY COLLECTION.

All the territory between Boston and Cambridge lines and the following line: Beginning at Mystic avenue, running through Cross street, Prospect-hill avenue, Stone avenue, across Union square to Webster avenue, Prospect street to Cambridge line.

DISTRICT NO. 2—TUESDAY COLLECTION.

All the territory between the line of District No. 1 and the following line: Beginning at Mystic avenue, through Temple street, across Broadway, through Marshall street, to Medford street, Walnut street, to Bow street, Somerville avenue to Hawkins street, Washington street, Perry street, Wyatt street, to Concord avenue, to Cambridge line.

DISTRICT NO. 3—WEDNESDAY COLLECTION.

All the territory between the line of District No. 2 and the following line: Beginning at Mystic avenue, Medford line to Main street, to Broadway, to Central street, to Somerville avenue, Park street to Cambridge line.

DISTRICT NO. 4—THURSDAY COLLECTION.

All the territory between the line of District No. 3 and the following line: Medford line, Broadway to Cedar street, to Elm street, Mossland street, to Cambridge line,

DISTRICT NO. 5—FRIDAY COLLECTION.

All the territory between the line of District No. 4 and the following line: Medford line, Warner street to College avenue, to Davis square, Elm street, to Russell street, to Cambridge line.

DISTRICT NO. 6—SATURDAY COLLECTION.

All the territory west of the line of District No. 5.

Offal.—During the year the board has continued to dispose of the city offal at its garbage plant adjacent to the city stables. This offal is sold direct to farmers and others, and is handled in a thoroughly sanitary and satisfactory manner. The demand for the garbage has exceeded the supply, and in its disposal there has been an entire absence of objectionable features. The financial returns to the city are large.

During the year 8,100 loads of offal have been collected.

Two collections are made in each district weekly, and during the summer months an extra collection is made at hotels, stores, and other establishments producing large quantities of offal.

A communication was received from the board of aldermen, as follows:—

In Board of Aldermen, March 23, 1911.

Resolved: That, in the opinion of this board, it is advisable that a change be made in the rules of the board of health relative to removal of ashes, rubbish, and house dirt, to provide that barrels or other receptacles containing same for removal shall be placed on the outer edge of the sidewalk, as formerly, or on the land of the tenant or occupant at the line of the sidewalk, as in the opinion of this board the benefit received from the present system is not sufficient to warrant the additional expense, and such change is desirable as a matter of economy.

A true copy of a resolution adopted by the board of aldermen March 23, 1911.

Attest:

FREDERIC W. COOK,
City Clerk.

In the opinion of the board of health it was not advisable to at once make such a decided change, but on the first of October the change was made, after sending out circular notices to the citizens as follows:—

Notice: On and after October 2, 1911, all receptacles containing ashes and refuse to be removed by the city teams must be placed on the outer edge of the sidewalk before the arrival of the teams on the day of collection. Employees of the city will not be allowed to enter the premises for the purpose of removing ashes or refuse to the sidewalk, or of replacing empty receptacles, after that date. No change will be made in the days of collection in the various districts or in the present method of collecting garbage.

Per order of the board of health.

DR. WESLEY T. LEE, Chairman,
JACKSON CALDWELL,
WILLIAM P. FRENCH.

The above plan for collecting ashes and refuse has been followed since the date of issuing the notice, and up to the present time no communications have been received by the board of health objecting to the change.

Stables.

Under the provisions of sections 69 and 70 of chapter 102 of the revised laws of 1902, nine petitions for licenses to erect and use stables were received, and all were granted.

Board of Infants.

Seventeen parties, whose applications were first approved by this board, have been licensed by the state board of charity to care for thirty-seven children, in this city, under the provisions of chapter 83 of the revised laws of 1902.

Deaths.

There were 1,035 deaths and seventy-five stillbirths in the city during the year, as specified in the following table, which shows a decrease of deaths under the previous year of eight.

Deaths at Somerville hospital during the year	73
Deaths at hospital for contagious diseases and tuberculosis	34
Deaths at home for aged poor (Highland avenue),	36
Deaths at city home	9
Deaths at other institutions	10

DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one	166	96	70
One to two	31	18	13
Two to three	13	6	7
Three to four	8	4	4
Four to five	6	1	5
Five to ten	17	8	9
Ten to fifteen	9	3	6
Fifteen to twenty	13	7	6
Twenty to thirty	55	24	31
Thirty to forty	81	29	52
Forty to fifty	102	57	45
Fifty to sixty	115	57	58
Sixty to seventy	165	75	90
Seventy to eighty	164	80	84
Eighty to ninety	80	32	48
Ninety and over	10	3	7
Total	1,035	500	535

Mortality in Somerville in 1911.

[illegible]

MORTALITY IN SOMERVILLE IN 1911.—Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
V. DISEASES OF THE DIGESTIVE SYSTEM.													
Acute indigestion	1	....	....	1	1	1	1	1	..	1	....	....	7
Colitis . . . . .	....	2	....	....	....	....	3	1	3	....	....	....	9
Gastritis . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Peritonitis . . . . .	....	2	1	2	....	1	....	1	....	....	....	....	7
Diarrhoea . . . . .	....	....	....	....	....	....	2	1	1	....	....	....	4
Cholera infantum . . . . .	....	....	....	....	....	....	3	4	....	....	....	....	7
Ptomaine poisoning . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Gastric ulcer . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Enteritis	1	....	1	1	1	....	3	9	2	1	3	1	23
Hernia . . . . .	....	1	....	....	....	....	....	1	....	....	1	....	3
Intestinal obstruction . . . . .	....	....	1	....	....	....	....	....	....	....	....	....	1
Ulcer of duodenum . . . . .	....	....	....	....	....	....	....	....	....	....	1	....	1
Appendicitis . . . . .	....	....	2	1	....	....	....	....	....	....	....	....	3
Cirrhosis liver	2	1	....	....	2	....	....	....	1	1	....	....	7
Hemorrhage of rectum . . . . .	....	....	....	....	....	....	....	....	....	....	....	1	1
Pylorus stenosis . . . . .	....	....	....	....	....	....	....	....	....	1	....	....	1
VI. DISEASES OF GENITO-URINARY SYSTEM.													
Bright's disease	1	2	1	1	4	2	1	....	1	....	1	....	14
Uraemia . . . . .	....	....	....	....	....	....	....	....	....	2	....	1	3
Nephritis	1	3	6	2	3	6	2	3	2	6	2	3	39
Hemorrhage of bladder	1	....	....	....	....	....	....	....	....	....	....	....	1
VII. CHILDBIRTH.													
Childbirth . . . . .	....	....	1	....	....	....	....	....	1	....	....	....	2
VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE.													
Abscess . . . . .	....	....	....	....	....	....	1	....	....	....	....	....	1
Fistula . . . . .	....	....	....	....	....	....	....	....	1	....	....	....	1
Gangrene	2	....	....	3	1	....	....	....	....	....	....	1	7
IX. MALFORMATIONS.													
Hydrocephalus . . . . .	....	....	....	1	....	....	....	....	....	....	....	....	1
X. EARLY INFANCY.													
Malnutrition	1	....	1	....	2	....	2	....	....	1	1	2	10
Asphyxia neonatorum . . . . .	....	....	1	....	....	1	....	1	....	....	1	....	4
Premature birth and congenital debility	1	3	7	5	2	3	1	....	3	2	2	2	31
Hemorrhage of cord . . . . .	....	1	....	....	....	....	....	....	....	....	....	....	1
Hemorrhage of bowel . . . . .	....	....	1	....	....	....	....	....	....	....	....	....	1
XI. OLD AGE.													
Old age	2	2	2	5	2	4	3	1	2	....	....	2	25
Senile dementia . . . . .	....	1	1	....	1	....	....	....	....	....	....	....	3
Arterio-sclerosis	6	6	3	3	3	5	4	4	3	1	5	3	46
XII. VIOLENCE.													
Drowning . . . . .	....	....	....	....	1	....	....	....	....	....	....	....	1
Railroad	1	1	1	1	....	1	....	1	3	1	....	....	10
Suicide	1	....	....	....	....	....	....	....	....	....	1	....	2
Burning . . . . .	....	1	....	1	1	1	....	....	....	....	1	1	6
Suffocation . . . . .	....	1	1	....	....	....	....	....	....	....	1	....	3
Fall down stairs . . . . .	....	....	....	....	....	....	....	....	....	....	1	....	1
Fracture of hip . . . . .	....	....	....	....	....	....	....	1	1	....	....	....	2
Fracture of skull	1	....	....	....	....	....	....	1	1	....	....	1	5
Fracture of ribs . . . . .	....	....	....	1	....	....	....	....	....	....	1	....	2
Air embolism . . . . .	....	....	....	....	....	....	....	....	....	1	....	....	1
Gunshot wounds . . . . .	....	....	....	....	....	....	1	....	....	....	....	1	2
Total	94	116	98	91	82	80	81	89	75	65	78	86	1035

Population (estimated) 80,000

Death rate per thousand 12.93

Diseases Dangerous to the Public Health.

This board has adjudged that the diseases known as actinomycosis, anterior poliomyelitis, Asiatic cholera, cerebrospinal meningitis, diphtheria, glanders, leprosy, malignant pustule, measles, ophthalmia neonatorum, scarlet fever, smallpox, tetanus, trachoma, trichinosis, tuberculosis, typhoid fever, typhus fever, varicella, whooping-cough, and yellow fever are infectious, or contagious, and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the board every case of either of these diseases coming under their care, and postal cards conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the superintendent of schools, the principal of the school in the district in which the patient resides, and the librarian of the public library are notified, and state board of health.

Scarlet Fever.—One hundred nine cases of scarlet fever have been reported during the year, three of which resulted fatally. In 1910 there were 336 cases, five of which resulted fatally.

Diphtheria.—One hundred eighty-three cases of diphtheria have been reported during the year, fifteen of which were fatal. In 1910 there were 226 cases, twenty of which proved fatal. Anti-toxin has been provided by the state board of health, and placed by this board in central locations for use by physicians in cases where people are unable to purchase the same. Culture tubes for diphtheria and sputum bottles for suspected tuberculosis have been obtainable at the same stations.

Warning cards are used in dealing with scarlet fever and with diphtheria, and the premises are fumigated by the use of the formaldehyde gas regenerator, immediately after the termination of the case. An inspection is made by the agent of the board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Tuberculosis.—One hundred fifty-four cases of tuberculosis have been reported during the year. There were seventy-seven deaths from this disease.

Typhoid Fever.—Forty-three cases of typhoid fever have been reported during the year, six of which have proved fatal. In 1910 there were fifty-seven cases reported, six of which were fatal.

Typhus Fever, Cholera.—No cases of typhus fever or cholera have been reported the past year.

Smallpox.—One case of smallpox has been reported during the year, which proved fatal.

Number of persons with diphtheria or scarlet fever taken in ambulance to hospital by agent	128
Number of cases of scarlet fever and diphtheria for which houses were placarded	292
Number of premises disinfected by agent	720

It will be seen by the foregoing figures that, in addition to the 562 premises infected with scarlet fever or diphtheria, 428 other premises were disinfected. Thirty-one disinfections were made at the request of attending physicians whose patients had been ill with typhoid fever or cancer. Two hundred ten schoolrooms were disinfected, 140 for scarlet fever, seventy for diphtheria, and 125 premises for tuberculosis, in compliance with the regulations passed by this board.

Many library books have also been disinfected, and quantities of infected bedding and other material have been burned.

TABLES.

The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1911 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years:—

Scarlet Fever, Diphtheria and Typhoid Fever Reported in 1911.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January	14	1	7.1	22	1	4.5	4	1	25.
February	15	....	....	20	4	20.	1	1	100.
March	12	1	8.3	15	1	6.6	1	....	....
April	9	....	....	17	1	5.8	3	....	....
May	12	....	....	17	1	5.8	1	....	....
June	11	....	....	23	1	4.4	0	....	....
July	2	....	....	7	1	14.2	3	....	....
August	1	....	....	13	1	7.7	7	2	14.2
September	1	....	....	10	2	20.	3	2	25.
October	7	....	....	15	1	6.6	3	....	....
November	17	1	5.8	14	1	7.1	10	....	....
December	8	....	....	10	....	....	2	....	....
Total	109	3	2.7	183	15	8.2	43	6	13.9

Deaths from Scarlet Fever, Diphtheria and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.
January	4	3	..	2	..	1	4	1	3	3	..	1	1	4	5	1	..	3	1	1	1	1
February . .	1	2	1	1	..	2	..	1	..	..	..	2	3	2	2	..	..	4	3	4	..	1	..	..	1	..	..	1	1
March . .	..	..	1	1	..	..	1	3	..	1	..	3	..	..	2	..	1	3	..	1	1	1	1	1	..	..	..	..	..
April . .	..	..	..	..	1	..	..	2	1	..	1	..	1	1	5	..	2	2	2	1	..	..	..	1	3	..	1	1	1
May . .	..	..	..	..	..	1	1	..	..	..	2	2	3	1	2	1	1	1	2	1	..	1	1	1	..	2	..	1	..
June . .	..	1	..	1	..	..	..	1	..	..	..	1	..	1	..	1	..	2	2	1	1	1	1	2	2	1	1	1	..
July . .	..	..	..	..	..	..	..	..	2	..	1	..	1	..	..	1	1	2	2	1	1	1	1	1	..	1	..	..	..
August . .	..	..	..	1	..	2	..	..	..	..	1	2	1	..	..	..	1	3	1	1	..	..	2	..	1	1	..	1	2
September . .	..	..	..	..	..	..	..	..	..	..	2	2	..	1	..	..	..	2	2	..	1	2	..	1	1	1	1	..	2
October . .	..	..	..	..	..	1	1	..	..	..	2	2	..	2	2	..	..	..	..	1	1	2	..	1	2	4	1	4	..
November . .	1	..	..	..	..	1	1	..	..	1	3	2	..	3	1	1	2	1	..	1	..	..	3	3	..	3	1	2	1
December . .	1	3	1	..	..	2	..	..	2	..	5	2	2	3	1	4	2	3	1	..	1	..	1	1	..	..	1	..	..
Total . .	3	10	3	4	1	12	4	9	5	3	19	19	14	17	15	9	11	27	20	15	6	10	11	9	11	11	9	8	6	6

Table of Deaths During the Last Ten Years.

Year.	No. of Deaths.	Rate per 1,000.
1902	890	13.69
1903	955	14.25
1904	964	13.87
1905	968	13.83
1906	1,004	13.94
1907	997	13.47
1908	903	11.96
1909	988	13.08
1910	1,043	13.45
1911	1,035	12.93
Average death rate per 1,000 for ten years		13.44

Table Showing the Five Principal Causes of Death in Somerville in 1911.

HEART DISEASE.		PNEUMONIA.		APOPLEXY.		TUBERCULOSIS.		CANCER.	
Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
128	16	121	15.1	91	11.4	77	9.6	66	8.2

Medical Inspection of Schools.

The medical inspection of the schools of Somerville, which was instituted in December, 1907, has been continued during the year. The value of the system has been constantly demonstrated, and the work has been done in a very satisfactory manner. There has been harmony of action between the board of health and the school board, and the school principals and teachers have very generally co-operated with the inspectors in making the system as successful as possible.

The inspectors make daily visits to the schools under their charge, and to them are referred all children who show evidences of disease or abnormal conditions. Children who are found to be unfit to remain in school are sent home, accompanied by a slip properly filled out advising that the family physician be consulted. The inspectors also make an annual inspection of all the children in the schools, and any defects discovered are called to the attention of the parents. Monthly inspections of the school buildings and premises are made, and suggestions or criticisms are referred to the proper authorities. Every effort is made to protect the health of the children and to co-operate with the parents in keeping the children in as normal a condition as possible.

It is extremely desirable that one or more school nurses should be employed to supplement and make more effective the work of the inspectors, and it is to be hoped that funds will be available to carry out this project.

In accordance with the provisions of the statute, tests of sight and hearing are made by the principals or teachers.

During the year 5,804 children have been referred to the inspectors during their daily visits, and 1,022 have been sent home because of illness.

The following list will show the classes of diseases and defects which have been found in the schools, except defects of sight and hearing:—

LIST OF DISEASES AND NUMBER OF CASES REPORTED.

1. Infectious diseases:—

Measles	16
Whooping cough	5
Chicken pox	22
Mumps	2

Total	45
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2. Diseases of the nose and throat:—

Enlarged tonsils and adenoids	747
Inflammatory diseases	91
Other abnormal conditions	11

Total	849
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3. Diseases of the eyes:—	
Inflammatory conditions of the eyes and lids	104
Foreign bodies and injuries	9
Other abnormal conditions	82
Total	195
4. Diseases of the ears:—	
Inflammatory condition	13
Other abnormal conditions	10
Total	23
5. Diseases of the skin:—	
Pediculosis	1,093
Impetigo	59
Scabies	19
Eczema	28
Tinea	16
Herpes	11
Miscellaneous conditions	58
Total	1,284
6. Miscellaneous diseases:—	
Constitutional diseases	4
Diseases of the digestive system	52
Diseases of the respiratory system	127
Diseases of the circulatory system	23
Diseases of the lymphatic system	76
Diseases of the nervous system	9
Diseases of the urinary system	4
Wounds and injuries	15
Other conditions	106
Total	416
Total number of diseases reported	2,812
Vaccinations performed	702

The districts and inspectors are as follows:—

District No. 1.—Prescott, Hanscom, Davis, and Edgerly schools. Inspector, Dr. Francis Shaw, 57 Cross street.

District No. 2.—Baxter, Knapp, Perry, and Bell schools. Inspector, Dr. Edward J. Dailey, 46 Bow street.

District No. 3.—Bennett, Pope, Cummings, and Proctor schools. Inspector, Dr. L. H. Raymond, 144 Highland avenue.

District No. 4.—Morse, Carr, Durell, and Burns schools. Inspector, Dr. W. L. Bond, 322 Highland avenue.

District No. 5.—Brown, Bingham, and Forster schools. Inspector, Dr. H. M. Stoodley, 383 Highland avenue.

District No. 6.—Lincoln, Hodgkins, Highland, and Lowe schools. Inspector, Dr. H. Cholerton, 94 College avenue.

District No. 7.—Glines and High schools. Inspector, Dr. R. F. Gibson, 76 College avenue.

Parochial Schools.—Inspector, Dr. M. W. White, 42 Bow street.

Hospital for Contagious Diseases.

Scarlet Fever and Diphtheria.—The hospital has continued to demonstrate its value to the city during the past year. The institution is now well equipped and in every way modern and convenient.

Miss Edith M. Grant has continued as matron, and has done excellent work. The hospital has been carried on economically, and in every particular the results have been satisfactory to the board.

The statistical report is included in the report of the medical inspector.

Tuberculosis Hospital.

The tuberculosis hospital has been in operation since March 8 of the year 1911, and has proved conclusively the necessity and desirability of such an institution in our city.

There have been eighty-five patients received at the hospital.

The conditions shown and the results obtained in the cases received prove, also, the need of continued work along this line on a broader basis. Recent figures show that there are approximately 40,000 cases of tuberculosis in Massachusetts, and that there are accommodations for not more than 4,000 patients. The state is making every effort to save its people, and each city and town should feel itself, in a manner, responsible for the progress of this work. It is to the credit of the city of Somerville that we are among the first who have established a hospital for tuberculosis, and that our hospital has been approved by the trustees of hospitals for tuberculosis.

The good work accomplished and the outlook for the coming year promise even greater results in the future, both from the standpoint of the work actually done, and the help rendered to the patients, and, last, but by no means least, the information and instruction, which is a great factor in the treatment of this disease, is being steadily pursued and given out, that those who are discharged from the hospital may know how to safeguard and care for others as well as themselves, and prevent, so far as is possible, the spread of tuberculosis in the city.

Indeed, the matter of the enlargement of the tuberculosis hospital will have to be considered in the near future, so great has the necessity become to admit more patients than can at present be accommodated.

Bacteriological Department.

The work of this department was performed by Frank L. Morse, M. D., medical inspector of the board, whose report is appended to this report.

Specimens will be received at the laboratory at the city hall

daily, including Sunday, at any time, and they will be examined and reported upon the morning following their reception.

SPECIMENS AND ANTI-TOXIN.

Outfits for specimens for tuberculosis, diphtheria, and typhoid fever, and diphtheria anti-toxin and vaccine lymph may be obtained at the laboratory and at the following places:—

Adams Pharmacy, Willow and Highland avenues.
 Claude Curtis, 154 Perkins street.
 Bay State Pharmacy, 173 Washington street.
 Edward E. Edwards, 25 Union square.
 Fred W. Gay, 524 Somerville avenue.
 John Morrison, Highland avenue, corner Cedar street.
 Percy A. Hall, 2 Studio building, Davis square.
 Henry W. Perry, 529 Medford street, Magoun square.
 Eugene B. Carpenter, 10 Broadway.
 Richardson Pharmacy, 310 Broadway.
 George E. Wardrobe, 693 Broadway.
 Willis S. Furbush & Co., 1153 Broadway.

After the specimen is collected, it must be taken to the culture station or sent directly to the laboratory at the city hall.

Undertakers.

Under the provisions of section 44 of chapter 78 of the revised laws of 1902, twenty-four persons have been duly licensed as undertakers.

Examiners of Plumbers.

The public statutes provide for a board of examiners of plumbers, consisting of a chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

Financial Statement for 1911.

HEALTH DEPARTMENT.

CREDIT.

Appropriation	\$6,400 00
Transferred from Excess and Deficiency	2,000 00
Transferred from Interest account	800 00
Receipts:—	
Fees received for permits	141 00
Received from other departments	21 50
Received from Jenney Mfg. Co. for barrels returned	5 45
Sundry cities and towns and commonwealth of Massachusetts, for care of diseases dangerous to public health	183 25
Total credit	<hr/> \$9,551 20

	DEBIT.	
Salaries	\$3,726 03	
Repairing vehicles	50 55	
Repairing harnesses	10 95	
Horseshoeing	28 00	
Books, stationery, printing, and postage	300 96	
Bacteriological laboratory	48 28	
Board of agent's horse	311 50	
Telephones	108 52	
Care of diseases dangerous to the public health (settled in Somerville)	4,926 48	
Incidentals	218 50	
Total debit		9,729 77
Amount overdrawn		\$178 57

Refuse and Garbage Disposal.

	CREDIT.	
Appropriation	\$50,000 00	
Transferred from Interest account	18,000 00	
Transferred from Overlay and Abatement	1,725 00	
Sale of offal	9,505 90	
Sale of manure	50 00	
Use of incinerator	483 55	
Total credit		\$79,764 45
	DEBIT.	
Salary of superintendent	\$1,400 00	
Collecting refuse	43,448 28	
Collecting garbage	19,382 53	
Burying dead animals	98 25	
Stable expenses	3,007 95	
Four new pungs	300 00	
One new dump cart	250 00	
Repairing wagons	538 76	
Tools and repairing the same	128 86	
Harnesses and repairing the same	691 75	
Five new horses	1,490 00	
Horse doctoring	217 50	
Board of superintendent's horse	289 11	
Horseshoeing	879 39	
Hay and grain	6,754 93	
Incidentals	251 06	
Total debit		\$79,128 37
Amount unexpended		\$636 08

Inspection of Animals and Provisions.

	CREDIT.	
Appropriation		\$1,225 00
	DEBIT.	
Salary of inspector of animals and pro- visions	\$1,200 00	
Sundry expenses	34 03	
Total debit		\$1,234 03
Amount overdrawn		\$9 03

Inspection of Milk and Vinegar.

CREDIT.		
Appropriation	\$1,000 00	
License fees	287 50	
Analytical work	264 00	
<hr/>		
Total credit		\$1,551 50
DEBIT.		
Salary of inspector of milk and vinegar	\$1,200 00	
Office expenses	150 69	
Maintenance of inspector's auto	137 30	
<hr/>		
Total debit		\$1,487 99
<hr/>		
Amount unexpended		\$63 51

Inspection of School Children.

CREDIT.		
Appropriation		\$1,550 00
DEBIT.		
Salaries of inspectors	\$1,500 00	
Somerville Journal Co., printing	8 00	
<hr/>		
Total debit		\$1,508 00
<hr/>		
Balance unexpended		\$42 00

Contagious Hospital Account.

CREDIT.		
Appropriation	\$1,000 00	
Transferred from Excess and Deficiency	3,000 00	
Transferred from Interest account	2,000 00	
Transferred from Overlay and Abatement	850 00	
Received from sundry persons, cities and towns, and commonwealth of Massachusetts	3,751 52	
<hr/>		
Total credit		\$10,601 52
DEBIT.		
Salaries of employees	\$4,898 59	
Supplies	1,111 03	
Groceries and provisions	3,784 82	
Incidentals	463 83	
<hr/>		
Total debit		\$10,258 27
<hr/>		
Amount unexpended		\$343 25

Tuberculosis Hospital.

CREDIT.		
Appropriation	\$1,000 00	
Transferred from Excess and Deficiency	611 63	
Transferred from Interest account	200 00	
<hr/>		
Amount carried forward	\$1,811 63	

Amount brought forward	\$1,811 63	
Received from sundry persons, cities and towns, and commonwealth of Massachusetts	1,057 21	
Total credit		\$2,868 84
DEBIT.		
Salaries of employees	\$1,828 42	
Supplies	781 69	
Incidentals	43 65	
Total debit		\$2,653 76
Balance unexpended		\$215 08

RECAPITULATION.**Appropriations Unexpended.**

Refuse and Garbage Disposal	\$636 08	
Inspection of Milk and Vinegar	63 51	
Inspection of School Children	42 00	
Contagious Hospital	343 25	
Tuberculosis Hospital	215 08	
Total unexpended		\$1,299 92

Appropriations Overdrawn.

Health Department	\$178 57	
Inspection of Animals and Provisions	9 03	
Total overdrawn		\$187 60
Net amount unexpended		\$1,112 32

WESLEY T. LEE, M. D., Chairman,
 JACKSON CALDWELL,
 WILLIAM P. FRENCH,
 Board of Health.

REPORT OF THE MEDICAL INSPECTOR.

Somerville, January 10, 1912.

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present the report of the medical inspector for the year 1911, including the statistics of the contagious disease hospital and the bacteriological laboratory.

Scarlet Fever. During the year 109 cases of this disease were reported in the city, a decrease of 225 in number over the previous year. Every case has been inspected, before the house was fumigated, and ninety-two visits were made at residences to determine when desquamation was complete.

Diphtheria. During the year 183 cases of diphtheria have been reported in the city, a decrease from the previous year, when 226 cases were reported. The same restrictions are placed upon all cases, and before patients are released from quarantine two successive negative cultures must be obtained. It is optional with the attending physician to take the first culture, but the second must be taken by the medical inspector, and during the year 205 visits were made at houses for this purpose.

Typhoid Fever. During the year forty-three cases of this disease were reported, a decrease of fourteen cases from the previous year.

Tuberculosis. One hundred and fifty-four cases of tuberculosis were reported during the year, an increase of five over the year previous. In November, 1906, following a conference with the overseers of the poor, these cases, which had been previously cared for medically by the city physician, were transferred to the board of health and the medical inspector instructed to care for them. During 1911 such cases have been transferred to the new tuberculosis hospital for treatment.

Contagious Disease Hospital.

In September, 1906, following a change in the city charter, the city physician, who, up to this time, had treated the cases at the hospital, was relieved of this duty, and the care of the patients transferred to the medical inspector on October 1. During 1911 this arrangement has continued, 342 visits having been made at the hospital during the year.

Scarlet Fever. During the year forty-two cases of scarlet fever were admitted, two of which proved fatal. Fourteen of these cases were among males, and twenty-eight among females. Nine were under five years of age, seventeen from five to ten years, and the remainder were over ten years. Vomiting was a constant symptom, it occurring in twenty-five cases, and a sore throat in twenty-three cases. In seven cases the rash occurred on the first day of the illness, in nineteen cases on the

second day, and in four instances on the third day. There was membrane present on the tonsils in thirteen cases; in twelve cases the disease was complicated with nephritis; in six cases with rheumatism, in two cases with discharging ears, in ten with enlarged cervical glands, and in addition four had diphtheria. The average stay in the hospital was thirty-nine days.

Another patient was admitted with scarlet fever, and after admission showed an eruption of varicella, she being promptly isolated. The patient in the next crib, however, had the disease fourteen days later.

Four other patients were attended by their own physicians.

Diphtheria. During the year eighty-six cases of diphtheria were admitted, nine of which proved fatal. Of these patients, thirty-seven were among males and forty-nine among females. Twenty-six were under five years of age; thirty-one were from five to ten, and the remainder were over ten. Two entered the hospital on the first day of their illness, and all recovered. Forty-two entered the second day of the illness, and one died; eighteen on the third day, with one death; ten on the fourth day, with two deaths; four on the fifth day, with two deaths; one on the sixth day, recovering; two on the seventh day, with two deaths; and one on the tenth day, with one death. The importance of early treatment with anti-toxin is thus very obvious. Of the laryngeal cases seven came to intubation, four of whom recovered. In twenty-seven patients the membrane extended over both tonsils, uvula and palate, three of whom died from systemic infection involving both the heart and kidneys. The throat was clear of membrane in eleven cases on the second day, in eighteen cases on the third, in eleven cases on the fourth, in four cases on the fifth, in seven on the sixth, in four on the seventh, in one on the eighth, in two on the ninth, one on the tenth, and one on the eleventh. In forty-nine patients eruptions appeared on the body due to the use of the anti-toxin, and in three patients joint pains occurred from the same cause. The average stay in the hospital was nineteen days. Of the nine deaths during the year, three died within twenty-four hours of admission and were hopeless at that time, and were complicated with cardiac paralysis. One case was complicated with measles two days after admission and died. Three cases of varicella were discovered when the patients were admitted, and two cases of scarlet fever developed among patients. Two cases were attended by their own physicians.

Tuberculosis.

In March the tuberculosis hospital, accommodating eighteen patients, was completed by the building commissioner and transferred to the board, the first patient being admitted March 8. During the remainder of the year eighty-five patients ill with this disease have been admitted, and twice dur-

Bacteriological Department.

During the year 1911 887 examinations were made of cultures for the diphtheria organism, 212 examinations made of sputum from patients suspected of having tuberculosis, and 100 examinations to detect the Widal reaction in typhoid fever.

Diphtheria. Eight hundred and eighty-seven cultures have been examined for diphtheria, 458 being in males, and 429 in females. Diphtheria being a disease of children, 367 of these examinations have been made in children under five years of age, 198 in those from five to ten years of age, 157 from ten to twenty, and 162 in adults over twenty years. In three cases the age of the patient was not stated. Three hundred and seventy-two examinations were made for the diagnosis of the case, fifty-three proving positive and 319 negative. Of the positive results, twenty-four were of cases in which the attending physician's diagnosis of diphtheria was confirmed, ten in which the clinical diagnosis was not diphtheria, and nineteen in which no definite diagnosis was made. Of the 319 negative examinations, thirty were obtained in which the clinical diagnosis was diphtheria, 116 in which the diagnosis was not diphtheria, and 172 in which no diagnosis had been made.

Five hundred and fifteen cultures were taken for release of patients from quarantine, 124 of which were positive and 391 negative. The importance of taking release cultures is demonstrated by these figures, these patients showing the presence of the bacilli in the throat after the clinical evidence of the disease had disappeared. In one examination there was no growth upon the serum tube.

Tuberculosis. Two hundred and twelve examinations have been made of sputum suspected of containing the tubercle bacillus, fifty of which were positive and 162 negative. In seventy-seven cases a definite diagnosis of this disease had been made by the attending physician, but in forty-five of them the organism could not be detected. In the remainder of the cases, sixty-five were stated as not showing evidence of the disease, seven being positive, and in seventy cases no statements were made giving information as to its character, fourteen of which were positive. Ninety-three were males and 119 females. Although printed directions accompany each outfit, telling how the specimen should be obtained, it has not been unusual for specimens to be sent to the laboratory containing only saliva from the mouth, with no excretion from the lungs or bronchial tubes. Physicians should be urged to give definite instructions to each patient, relating to the collection of the sputum, for in some instances a negative report would mislead both physician and patient. Consumption to-day is recognized as an infectious disease, and all persons afflicted with it should be instructed in the modern methods for preventing its

spread. In some cases this is not done by the attending physician, and during the past eight years your board has required that this disease be reported to you, as other infectious diseases are, and that printed instructions and advice be sent to each patient ill with the disease. The decrease in the death rate of consumption, and the cure of persons afflicted with it, is due to the improved and intelligent manner with which cases are treated, and the prevention of further spread of the disease is a subject which is of importance to all local boards of health.

Typhoid Fever. One hundred examinations of the blood of patients suspected of having typhoid fever have been made, twenty-nine of which proved positive. In thirty-four cases a positive diagnosis of this disease had been made by the attending physician, in seven cases it was stated not to be typhoid fever, and in the remainder no statement was made relating to the diagnosis. Of the negative results, ten were diagnosed as typhoid, seven were said not to be typhoid, and in fifty-four no diagnosis was made. Fifty-eight were males and forty-two females.

Summary for Nine Years, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911.

Diphtheria Cultures.

	No. Examined.	Males	Females	0-5	5-10	10-20	Over 20	Age not stated	No growth
1903	817	387	430	282	199	125	185	26	5
1904	1,429	629	800	537	400	231	261	34	29
1905	792	346	446	204	260	139	170	19	4
1906	968	407	561	282	370	158	152	6	6
1907	971	423	548	224	346	185	210	6	3
1908	1,293	542	751	278	421	238	150	6	3
1909	1,537	694	843	375	657	206	284	15	9
1910	1,062	448	614	341	247	235	222	17	6
1911	887	459	429	367	198	157	162	3	1

	For Diagnosis	Clinical Diagnosis	Diph.	Clin. Diag.	not Diph.	Clin. Diag.	not stated
	Positive	Negative	Positive	Negative	Positive	Negative	
1903	360	56	35	11	122	27	109
1904	406	72	37	11	96	59	131
1905	263	15	23	10	76	36	103
1906	419	55	60	14	130	47	107
1907	462	45	34	10	104	52	217
1908	524	57	48	14	96	92	217
1909	637	54	28	18	121	117	299
1910	540	24	31	14	144	52	275
1911	372	24	30	10	116	19	172

	For Release	
	Positive	Negative
1903	95	362
1904	233	761
1905	139	386
1906	85	464
1907	98	408
1908	136	630
1909	165	726
1910	75	447
1911	124	391

Sputum for Tuberculosis.

	No. Examined	Males	Females	Positive	Negative	Clin. Diag. Tuberculosis	
						Positive	Negative
1903	137	66	71	26	111	15	21
1904	124	54	70	28	96	14	29
1905	162	69	93	22	140	11	38
1906	175	95	80	9	166	7	44
1907	227	100	127	7	220	4	79
1908	173	84	89	14	159	9	59
1909	192	100	92	14	178	10	69
1910	185	88	97	36	149	18	46
1911	212	93	119	50	162	32	45

	Clinical Diagnosis not		Tuberculosis		Clinical Diagnosis not stated	
	Positive		Negative		Positive	
1903	9		61		2	
1904	11		43		3	
1905	5		59		6	
1906	1		85		1	
1907	2		84		1	
1908	3		63		2	
1909	3		65		1	
1910	12		73		6	
1911	7		58		14	

Blood for Typhoid Fever.

	No. Examined	Males	Females	Positive	Negative	Clin. Diag. Typhoid Fever	
						Positive	Negative
1903	72	39	33	27	45	18	7
1904	76	53	23	32	44	18	4
1905	78	45	33	26	50	11	1
1906	94	57	37	24	70	14	15
1907	110	58	52	45	65	25	10
1908	110	59	51	31	79	20	14
1909	150	89	61	52	98	33	24
1910	120	65	55	24	96	18	18
1911	100	58	42	29	71	24	10

	Clin. Diag. not Typhoid Fever		Clin. Diag. not stated	
	Positive		Positive	
1903	2		7	
1904	0		14	
1905	1		14	
1906	0		10	
1907	0		20	
1908	0		11	
1909	0		19	
1910	0		6	
1911	0		5	

Respectfully submitted,

FRANK L. MORSE,
Medical Inspector.

REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

OFFICE OF THE BOARD OF HEALTH, CITY HALL, }
Somerville, Mass., January 1, 1912. }

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith submit the report of the inspector of animals and provisions for the year 1911. The following is a statement of the number of animals killed during the year at the five slaughtering establishments in the city:—

Swine, 1,147,894; sheep, 423,535; calves, 64,268; cattle, 25,753.

The work of all these establishments, being under the inspection of the United States government, requires only the inspection of the premises by the local inspector, who reports very favorably on the same. Somerville is one of the largest quarantine stations for the export of animals in the United States, the number exported last year being: Cattle, 24,032; sheep, 6,180.

The total number of neat cattle kept in the city is 212; swine, 142; cows, sixty-seven; and goats, three, all of which have been inspected by me during the year. Under Chapter 381 of the Acts of 1911, all stables where neat cattle are kept have been visited several times this year, and all are now in good sanitary condition. All dairy rooms have also been visited with Mr. Bowman, the milk inspector, and all doors and windows have been screened, the premises cleaned and white-washed, and the ventilation improved. All of the factories, workshops, and laundries have been visited several times during the year, first-aid medicine chests installed, and proper sanitary conditions insisted upon in cases where needed. All stables have been visited and the owners required to disinfect and otherwise clean them as needed. There have been 2,978 horses examined in stables to determine the existence of contagious diseases. Forty-seven were quarantined, and of this number forty-one were killed and six released.

All of the blacksmith shops of the city have been disinfected to prevent the prevalence of contagious diseases. Four hundred and fifty-six visits have been made to the ninety-eight barber shops and 592 visits to the ninety bakeries in the city, all of which will now be found in good condition.

There have been 2,961 visits made to stores and markets, and 1,069 pedlers' carts have been inspected from which fish, provisions, and produce were sold. The following articles have been condemned and destroyed:—

Meats.

Fresh beef, 1,834 pounds; corned beef, 2,425 pounds; poultry, 3,577 pounds; mutton, 995 pounds; liver, 184 pounds; pork, 578 pounds; swine, whole, 23; sausage, 124 pounds; pigs' feet, 174 pounds; tripe, 325 pounds; veal, 111 pounds; lard, 40 pounds.

Fish.

Clams, 4½ gallons; haddock, 783 pounds; halibut, 430 pounds; herring, whole, 368; mackerel, whole, 50; oysters, 7½ gallons; lobsters, 22 pounds; pollock, 248 pounds; salmon, 48 pounds.

Fruit and Vegetables.

Apples, 12 bushels; asparagus, 374 bunches; bananas, 73 dozen; blueberries, 32 quarts; green beans, 14 baskets; beets, 3½ bushels; cabbage, 1½ barrels; cantaloupes, 70 crates; carrots, 2½ bushels; celery, 93 bunches; currants, 20 pounds; dates, 10 pounds; grapes, 12 pounds; grape fruit, 4 crates; greens, 60 bushels; lemons, 1 box; lettuce, 3 boxes; onions, 6½ bushels; oranges, 12 boxes; parsnips, 1 bushel; green peas, 3 bushels; white potatoes, 31 bushels; rhubarb, 585 pounds; sweet potatoes, 3 barrels; raisins, 25 pounds; radishes, 2 bushels; squash, 771 pounds; strawberries, 14 crates; tomatoes, 37 crates; turnips, 54 bushels.

Miscellaneous.

Bread, 54 loaves; cake, 15 loaves; canned goods, 85 packages; crackers, 170 packages; cereals, 826 packages; butter, 60 pounds; cheese, 15 pounds; eggs, 30 dozen; corn meal, 100 pounds; flour, 165 bags, 24½ pounds each; honey, 10 pounds; pickles, 22 gallons; salt, 300 pounds; sugar, 230 pounds; spices, 55 pounds; tea, 30 pounds; coffee, 60 pounds.

I have performed other duties as required by your board.

Respectfully submitted,

CHARLES M. BERRY,

Inspector of Animals and Provisions.

REPORT OF THE INSPECTOR OF MILK AND VINEGAR.

OFFICE OF THE INSPECTOR OF MILK AND VINEGAR, }
City Hall, January 1, 1912. }

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present my annual report for the year ending December 31, 1911.

On the page following, table A shows partially the work accomplished by this department during 1911. Early in the year a regulation in regard to the washing of all milk containers was approved by the board of health and became operative as Section No. 19 of the Milk Rules and Regulations adopted in 1910. The regulation is as follows:—

Section 19. All persons engaged in the sale of milk, cream, skim-milk or buttermilk having the possession or custody of a bottle, can or other receptacle used in the sale, delivery or transportation of milk, cream, skimmed milk or buttermilk, shall cause every such bottle, can or receptacle to be cleaned immediately after the same has been emptied, and no such person shall deliver, receive or have in his possession or custody any such bottle, can or receptacle so used which has not been cleaned as aforesaid.

Copies of this regulation were printed on heavy cardboard, and with the assistance of the agent of the board and the inspector of animals and provisions a copy was posted in each store where milk is sold. In addition, several thousand small cards were printed and distributed to the milk peddlers to be handed to the consumer.

With the assistance of Dr. Charles M. Berry, agent of the cattle bureau, screens have been installed in each milk stable in this city. In all cases where bacteriological, chemical, or sanitary notices have been sent out, subsequent inspections have been made to see that the improvements were permanent.

During the year thirty-seven dealers have discontinued selling milk and eighty-three stores have changed owners.

At the present time one-sixth of the dealers in Somerville sell bottled milk, which is about double the number selling in bottles at the beginning of 1911, the remainder selling loose milk, i. e., from dip tanks or cans.

Dealers who were found selling loose milk not of good standard quality were advised to discontinue this unsanitary and dangerous method and to sell milk in sealed bottles only.

Twenty-seven dealers did so, and without exception had no further trouble.

The dealer should be particular to carry both quarts and pints. When a quart bottle is opened and part sold, the same danger exists from contamination and careless mixing as when loose milk is sold.

It would greatly assist this department if consumers would refuse to purchase milk from dealers who handle it in any other manner.

TABLE A.—SHOWING WORK ACCOMPLISHED DURING 1911.

Months.	License Issued.	License Fees.	Analytical Fees.	Cash paid City Treas.	Analyses on Account.	Total Income for Dept.	Chemical Collections.	Bact. Collections.	Total Collections.	Samples left at Office.	Total Analyses.	Chem. Notices.	Bact. Notices.	Sanitary Notices.	Total Notices.
January	8	\$4.00	\$10.00	\$14.00	\$9.00	\$23.00	110	104	214	38	252	11	7	7	25
February	14	7.00	6.00	13.00	5.50	18.50	71	127	198	23	221	8	12	8	28
March	16	8.00	9.50	17.50	18.50	36.00	74	129	203	56	259	4	12	5	21
April	14	7.00	6.50	13.50	7.00	20.50	94	108	202	23	223	10	14	6	30
May	331	165.50	12.00	177.50	32.50	210.00	57	95	152	89	241	4	2	6	12
June	110	55.00	11.00	66.00	19.00	85.00	84	60	144	60	204	18	2	10	30
July and Aug.	29	14.50	19.50	34.00	26.50	60.50	114	141	255	131	386	4	6	49	59
September	15	7.50	.....	7.50	17.50	25.50	88	60	148	35	183	20	2	8	30
Oct. and Nov.	32	16.00	4.00	20.00	29.00	49.00	136	120	256	66	322	13	4	12	29
December	6	3.00	5.00	8.00	17.50	25.50	88	80	168	35	203	6	1	12	19
Total	575	\$287.50	\$83.50	\$371.00	\$182.00	\$553.00	916	1,024	1,940	556	2,494	98	62	123	283

During the year 25 samples, including milk, butter, and vinegar, were analyzed without charge.

Infant Mortality.

The infant mortality of Somerville is low when compared with cities of equal size. The claim has been made that nine-tenths of the deaths from enteric diseases are caused by dirty milk. This is not true in Somerville.

During the months of July, August, and September there were twenty-six deaths in Somerville of children under eighteen months of age from digestive troubles. Of this number, only two were fed on cow's milk, previous to receiving medical treatment, one was breast-fed and the balance had been fed on proprietary foods, condensed milk, crackers, cereals, potatoes, etc.

These deaths were of course due to improper feeding, but only a very small percentage could be traced to fresh cow's milk.

Quality.

The quality of the milk sold in large cities like our own has for the past few years been steadily improving, and has never been so good as at the present time. We are able to select from the different grades milk to meet all requirements. The price varies from nine cents to sixteen cents per quart; the better the milk and the more sanitary the handling, the higher the price. When the consumer realizes that cheap milk is the most expensive, because the most dangerous, that clean, fresh milk is worth all it costs, and that he gets several times the amount of nutriment that he can in any other article of food for the same money, then there will be a demand which will be promptly filled; in other words, we have at present the supply of clean, fresh milk, but not the demand on account of a few cents extra cost.

Dealers.

I wish to call the attention of the milkmen to the fact that in many cases the bottles are not subjected to a sufficiently high temperature to kill bacteria if it is present.

In taking the temperature of the water used in bottle washing, I find both the soapy and the rinse water to be between 90 and 100 degrees Fahrenheit. This is not high enough. Pathogenic bacteria are not killed at a temperature under 145 degrees Fahrenheit. If bottles are contaminated with infectious material and pollute the wash water, any number of bottles may become infected, and an epidemic started in this manner. This danger may be overcome by having the last water at least 145 degrees Fahrenheit and keeping the bottles in it for twenty minutes. If the temperature is higher they will require less time.

Bacteriology.

During the year 1,024 samples were examined bacteriologically. Many of these samples were plated with Agar and counts taken, and all were examined microscopically. In many cases where the samples were found to be contaminated, investigations were carried on to determine the type of bacteria causing the trouble. Where it was impossible to accomplish this result, the dairy supplying the milk was subjected to a rigid inspection.

During the winter considerable trouble has been experienced from frozen milk, and the death of several infants has been laid to this cause, whether with good reason or not remains to be proven, however, extreme temperatures should be avoided in handling such a perishable article of food, and when frozen milk is received great care should be exercised in thawing. There are certain organisms which increase at extremely low temperatures. If more care had been exercised to prevent the milk freezing on the wagons, some of this trouble might have been avoided.

Most of the difficulty found by this department is due to careless handling, and very little from direct contamination from infected animals. Carelessness at the farm, in transportation, by the milk distributor, and last, but by no means least, the consumer are some of the causes.

While it is the place of the municipality to see that the public obtain PURE, CLEAN MILK, it is the consumer's place to see that it is kept CLEAN.

The records of this department are open to the public, and any information required can be readily obtained by applying at this office.

Condensed Milk.

Owing to the increasing popularity of this article of food, it is fitting that a word should be said in regard to its purity and chemical contents. When diluted as directed by the label, condensed milk is supposed to represent cow's milk of good standard quality and to be practically free from bacteria. Professor James O. Jordan and Dr. Mott, of the Boston board of health, carried on some extensive experiments which were very enlightening.

Samples were purchased in the open market, diluted with sterile water as per directions on label, and then analyzed both chemically and bacteriologically. Twenty-six samples were examined chemically, and only four proved to be above standard in butter fat and three in total solids, leaving twenty-two out of twenty-six examined of inferior quality chemically. These same samples contained from 900 to 10,000,000 bacteria per cubic centimetre (one-fourth teaspoonful) when examined bacteriologically at the same laboratory, and this in a product

supposed to be sterile and advertised as a perfect food for infants. Another point is the cost of this article per quart when prepared according to directions. By many it is supposed to be much cheaper than raw milk. From figures compiled by the same chemists, after diluting fifteen different brands in the proper proportion to make milk corresponding to the Massachusetts standard, it is shown that only one brand cost as low as nine cents per quart, which is the prevailing price at present for ordinary market milk. The samples examined ranged from nine to fifteen cents per quart, so it will be seen that, from an economical as well as a health point of view, it is a questionable practice to use this article as a food for infants.

Oleomargarine.

There are eight dealers licensed to sell butterine in Somerville until May 31, 1912.

Vinegar.

The standard of cider vinegar was reduced by the legislature of 1911, and stands at present as follows: Solids, 1.8 per cent.; acetic acid, 4.5 per cent. All the samples submitted to this department were of good standard quality.

Samples of milk not of good standard quality were obtained from the following dealers during 1911:—

Josephine Wray, 57 Lawrence street, Somerville, Mass.
A. Biller, 352 Lowell street, Somerville, Mass.
David Grell, 504 Broadway, Somerville, Mass.
Michael A. Mullen, 101 Washington street, Somerville, Mass.
Sarah M. Sands, 161 Washington street, Somerville, Mass.
Robert C. Ware, 676 Broadway, Somerville, Mass.
Frank S. Cummings, 251 Elm street, Somerville, Mass.
Ralph R. Kelly, 59 Washington street, Somerville, Mass.
Joel S. Bacon, 268-B Broadway, Somerville, Mass.
Papkee Brothers, Winchester street, Medford, Mass.
Ida H. Riedell, 502 Medford street, Somerville, Mass.
Frank I. Wilson, 198 Highland avenue, Somerville, Mass.
J. G. Blackley, 257 Highland avenue, Somerville, Mass.
B. Cohen, 318 Highland avenue, Somerville, Mass.
W. Perlman, 92 Webster avenue, Somerville, Mass.
B. F. Banks, 6 Gilman street, Somerville, Mass.
Ida M. Daley, 148 Cross street, Somerville, Mass.
Samuel Rigby, 362 Somerville avenue, Somerville, Mass.
Carl E. Lyndell, 48 Holland street, Somerville, Mass.
Helen F. Estes, 547 Somerville avenue, Somerville, Mass.
Alfred L. Rogers, 23 Holland street, Somerville, Mass.
J. F. McEvoy, 526 Somerville avenue, Somerville, Mass.
Mary A. Atwater, 77 Summer street, Somerville, Mass.
Annie Brennan, Summer street, Somerville, Mass.
Margaret L. Hanley, 417 Somerville avenue, Somerville, Mass.
John O'Shaughnessey, 67 Derby street, Somerville, Mass.
Catharine McCarthy, 65 Grant street, Somerville, Mass.
T. F. Ronayne, 37 Albion street, Somerville, Mass.
Woodbury & Hager, 41 Sewall street, Somerville, Mass.

T. Noonan, 67 Hinckley street, Somerville, Mass.
Francis C. Brown, 44 Russell street, North Cambridge, Mass.
Isabelle Anderson, 3-A Beacon street, Somerville, Mass.
Nora F. Fewer, 68 Oak street, Somerville, Mass.
Patrick F. Toole, 25 Marion street, Somerville, Mass.
Elizabeth Mahoney, 1 Adrian street, Somerville, Mass.
Cambridge Baking Company, 289 Beacon street, Somerville, Mass.
Frank F. Shackford, 202 Washington street, Somerville, Mass.
Biller Brothers, 328 Beacon street, Somerville, Mass.
T. A. Dewire, 244 Beacon street, Somerville, Mass.
Stephen S. Shea, 307 Beacon street, Somerville, Mass.
Nora O'Brien, 211 Washington street, Somerville, Mass.
Fred W. Lock, 210 Washington street, Somerville, Mass.
H. P. Hood & Sons, Rutherford avenue, Charlestown, Mass.
Graustein & Co., Rutherford avenue, Charlestown, Mass.
D. Whiting & Co., Rutherford avenue, Charlestown, Mass.
J. W. Applin, 147 Glen street, Somerville, Mass.
C. L. Libby, 183-A Pearl street, Somerville, Mass.
F. S. Barnard, 11 Cutter avenue, Somerville, Mass.
C. A. Bent, 9 Endicott avenue, Somerville, Mass.
F. E. Giles, 341 Summer street, Somerville, Mass.
Fred Smith, Derby street, Somerville, Mass.
F. E. Edgerly, 17 Veazie street, Somerville, Mass.
W. F. Webb, 11 Highland road, Somerville, Mass.
John L. Pichett, 48 Broadway, Arlington, Mass.
Rudolph H. Koehler, 298 Broadway, Somerville, Mass.
Nathan Schwartz, 50 Cross street, Somerville, Mass.
George W. Clark, 140 Broadway, Somerville, Mass.
Samuel Leftman, 28 Webster street, Somerville, Mass.
Walter S. Blewett, 74½ Cross street, Somerville, Mass.
Bedford Creamery, 75 Cross street, Somerville, Mass.
Sarah N. Hall, 1328 Broadway, Somerville, Mass.
Terrance J. Owens, 1344 Broadway, Somerville, Mass.
A. P. Chase & Co., 1248 Broadway, Somerville, Mass.
A. W. Cummings, 11 Cutter avenue, Somerville, Mass.
Thomas Aldham, 484 Medford street, Somerville, Mass.
Mary A. King, 366 Medford street, Somerville, Mass.
D. L. Webb, 527 Medford street, Somerville, Mass.
Herbert C. Proverbs, 296-A Pearl street, Somerville, Mass.
H. G. Applin, 213 Pearl street, Somerville, Mass.
Charles E. Miller, 237 Pearl street, Somerville, Mass.
Theresa M. Farrell, 177-A Pearl street, Somerville, Mass.
Margaret Gurvin, 6 Wilson avenue, Somerville, Mass.
John W. Richards, 729 Broadway, Somerville, Mass.
Annie Von Sneiden, 376-A Highland avenue, Somerville, Mass.
Alexander Stewart, 15 Union square, Somerville, Mass.
Harry S. Campbell, 60 Union square, Somerville, Mass.
Rose Baume, 362 Somerville avenue, Somerville, Mass.
John Kee, 382 Somerville avenue, Somerville, Mass.
Rinn & Finn, Union square, Somerville, Mass.
Alfred P. Girard, 4 Highland avenue, Somerville, Mass.
J. L. Brown & Sons, 138 Willow avenue, Somerville, Mass.
Charles A. Fuchs, 71 Concord avenue, Somerville, Mass.
William E. O'Brien, 66 Prospect street, Somerville, Mass.
Salome Finlay, 1298 Broadway, Somerville, Mass.
D. A. Page, 410-B Somerville avenue, Somerville, Mass.
George W. Wood, 92 School street, Somerville, Mass.
J. R. F. Hanson, 29 Summer street, Somerville, Mass.
Oscar J. Lingley, 65 Avon street, Somerville, Mass.

William F. Waite, 11 Bowers avenue, Somerville, Mass.
Surabian Brothers, 208 Elm street, Somerville, Mass.
Walter S. Blewett, 5 Davis square, Somerville, Mass.

Appreciation.

I wish to express my appreciation to the members of the health department and others who have cheerfully co-operated with me in the carrying on of my work, and also to the Somerville press, who have kindly given me space to express my views on the milk question.

Respectfully submitted,

HERBERT E. BOWMAN,

Inspector of Milk and Vinegar.

SUPPORT OF POOR DEPARTMENT.

Board of Overseers of the Poor.

EDWARD B. WEST, President.

ALBERT W. EDMANDS, Vice-President.

HENRY F. CURTIS, M. D.

Committees.

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME—Mr. West,
Mr. Edmands and Dr. Curtis.

Secretary.

CORA F. LEWIS.

General Agent.

CHARLES C. FOLSOM.

City Physician.

C. CLARKE TOWLE, M. D.

Warden and Matron, City Home.

Mr. and Mrs. J. FOSTER COLQUHOUN.

Office.

City Hall Annex, Highland Avenue.

REPORT OF OVERSEERS OF THE POOR.

Somerville, Mass., December 31, 1911.

To His Honor, the Mayor, and the Board of Aldermen of the
City of Somerville:—

Gentlemen,—In accordance with our usual custom and the requirements of the city ordinance, we beg herewith to submit our annual report for the year 1911, containing the report of the general agent for the miscellaneous account and that of the warden of the city home, showing receipts and expenditures. The much-needed addition to the city home, providing proper accommodations for our temporarily sick or disabled, is now in process of construction, and we would extend our thanks to his honor, the mayor, and the board of aldermen for their generous appropriation.

Beyond ordinary repairs, there seems little need for additional expense at the home this year.

We recognize and are glad to testify to the careful and economical management of the different departments. After twenty-three years of able and most conscientious service, seventeen years as its president, E. B. West retires from our board. For these many years of most faithful service our city is certainly under much obligation. Other members of this board and those in this department feel that they voice the feeling of our city in extending to him our most hearty thanks, to which we would add our feeling of personal appreciation and regard.

Very respectfully,

E. B. WEST,	} <i>Overseers</i>	
A. W. EDMANDS,		} <i>of the</i>
H. F. CURTIS,			Poor.

REPORT OF GENERAL AGENT.

Somerville, Mass., December 31, 1911.

To the Board of Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—As the board has kept in touch with the work of the department during the year, there is nothing remarkable to report at this time. We have expended during the year \$24,169.59 in both accounts, or \$363.28 more than in 1910.

We have expended in the miscellaneous department for the benefit of poor families as follows: Food, \$4,705.25; fuel, \$573.48; medicine, \$245.26; the board of sundry persons in private families, \$1,018.98; burials, \$143; paid other towns and cities the sum of \$2,689.45; cash paid out,—mostly in emergency cases,—\$160.34; paid Massachusetts Hospital School, for care, treatment, and schooling of two boys, the sum of \$326.28. The two accounts, City Home and Miscellaneous, closed the year with a balance of \$70.34. An out of town bill is left unpaid, amounting to \$500. Another matter is unsettled which may call for nearly as much more, so I think it would be well to ask for at least \$1,000 more in 1912 than we had in 1911.

As usual, a large majority of the families whom we are aiding are composed of widows and small children. Frequently we are called upon to help a family when the husband has deserted, and sometimes when the man is out of work. If he happens to be a man along in years he is generally willing to do some work for the aid given for his family, but if a young man he is apt to object, and sometimes refuses. In such cases it will hardly do to let the family suffer, so we do the best we can in the case, and bring as much pressure to bear as possible for him to either work at the city farm or some other place to pay toward the support of the family. If there was some steady place for the wife to work to pay for what she receives, I think she would do so willingly in many cases, but she generally has all she can do at home.

On the whole, we have had a very busy year. The settlement of all hospital cases has to be looked up; notices sent, if they are not city cases; bills made, etc.; also the board of health cases all have to be passed upon unless they pay their own bills. This work is increasing to such an extent that we will be obliged, I think, to have extra help in the office a large part of the time.

Owing to an accident to Miss Lewis, who has been employed as secretary for many years, Miss Kenneson, a civil

service girl, took her place, and, although the secretary was able to resume her work after being absent about three months, yet it seemed necessary to retain Miss Kenneson, as there was plenty to do, especially as we have been revising our 8,000 histories and have them about half done at the close of the year.

The relations in the department have been very harmonious and pleasant, and I wish again at this time to thank all the members of the board for the pleasant relations that have existed.

Tables showing details are annexed.

Very respectfully,

C. C. FOLSOM,
General Agent.

Table No. 1.**FULL SUPPORT (DURING THE YEAR).**

In city home (men 43, women 22)	65
In city home December 31, 1911 (men 24, women 12)	36
In private families	4
In Somerville hospital	246
In hospitals for the sick in other towns, cities, and state	68
In care of state division minor wards	3

Table No. 2.**PARTIAL SUPPORT (OUTDOOR RELIEF).**

Families	249
Persons aided (not including hospital cases)	870
Burials	11
Permits to state infirmary	13
Average expense to the city for each (ambulance for one, carriage for two)	\$1.74

Table No. 3.**REIMBURSEMENTS.**

Commonwealth of Massachusetts	\$1,030 62
City of Boston	562 05
" " Cambridge	809 05
" " Everett	39 36
" " Fall River	14 29
" " Malden	41 43
" " Marlboro	7 30
" " Medford	173 42
" " New Bedford	10 66
" " Northampton	40 79
" " Newton	142 53
" " Quincy	92 13
" " Springfield	37 30
" " Taunton	47 57
" " Waltham	70 00
" " Woburn	52 82
" " Worcester	7 14
Town of Andover	7 14
" " Arlington	6 00
" " Brookline	2 50
" " Burlington	78 20
" " Hanover	34 00
" " Leominster	30 73
" " Lynnfield	45 71
" " Rutland	42 86
" " Saugus	40 35
" " Walpole	62 86
" " Watertown	41 46
" " Weston	57 49
" " Whitman	30 00
Soldiers' relief (for medicine)	30 55

 \$3,688 31

Table No. 4.**SOMERVILLE HOSPITAL (PATIENTS ON CITY BEDS).**

Patients having settlement in Somerville	131
Patients having settlement in other cities and towns	47
Patients having no settlement (chargeable to state)	88
Total number of patients sent to hospital	266
Money paid hospital by the city for patients settled in Somerville	\$5,000 00
Amount reimbursed to the city and paid to the hospital for patients not settled in Somerville	1,830 72
Total paid to the hospital	\$6,830 72

Table No. 5.**POPULATION AND GROSS EXPENDITURES, 1883 TO 1911, INCLUSIVE.**

Year.	Population (Estimated).	Expenditures.
1883	27,000	\$15,959.80
1884	28,000	17,272.52
1885	*29,992	16,430.32
1886	32,000	14,341.83
1887	34,000	13,430.89
1888	36,000	13,375.98
1889	39,000	14,610.92
1890	*40,117	15,261.14
1891	43,000	15,980.49
1892	46,000	17,015.30
1893	48,000	17,799.58
1894	50,000	19,733.13
1895	*52,200	20,755.46
1896	54,000	21,999.79
1897	56,000	25,681.47
1898	57,500	28,522.21
1899	60,000	28,924.39
1900	*61,643	{ Miscellaneous, \$23,697.62 } { City Home, 5,528.83 } 29,226.45
1901	62,500	{ Miscellaneous, \$29,171.15 } { City Home, 6,622.43 } 35,793.58
1902	63,500	{ Miscellaneous, \$28,667.04 } { City Home, 7,396.64 } 36,063.68
1903	65,500	{ Miscellaneous, \$30,470.20 } { City Home, 7,548.39 } 38,018.59
1904	69,500	{ Miscellaneous, \$20,476.54 } { City Home, 6,563.11 } 27,039.65
1905	*69,272	{ Miscellaneous, \$17,527.88 } { City Home, 7,474.36 } 25,002.24
1906	72,000	{ Miscellaneous, \$18,237.53 } { City Home, 6,806.79 } 25,044.32
1907	74,000	{ Miscellaneous, \$17,852.20 } { City Home, 7,001.23 } 24,853.43
1908	75,500	{ Miscellaneous, \$17,955.34 } { City Home, 6,875.56 } 24,830.90
1909	75,500	{ Miscellaneous, \$16,843.17 } { City Home, 7,562.83 } 24,406.00
1910	*77,236	{ Miscellaneous, \$16,110.42 } { City Home, 7,695.89 } 23,806.31
1911	78,000	{ Miscellaneous, \$16,327.56 } { City Home, 7,842.03 } 24,169.59

*Census.

Overseers of the Poor of Somerville.**SINCE THE REORGANIZATION IN 1885.**

†Hon. Mark F. Burns, chairman ex-officio	1885	1888 inclusive
†Colonel Herbert E. Hill	1885	1889 “
†Charles S. Lincoln, Esq., chairman	1885	1887 “
Hon. Edward Glines	1885	1887 “
†Charles G. Brett (president 1888-1892)	1885 April	1893 “
Edward B. West (president May, 1894, to date)	1888 to date*	“
†Daniel C. Stillson	1888 April	1892 “
†Hon. Charles G. Pope, chairman ex-officio	1889	1891 “
Nathan H. Reed (president 1893 to April, 1894)	1890 April	1894 “
†Hon. William H. Hodgkins, chairman ex-officio	1892	1895 “
James G. Hinckley	May 1892	1894 “
Albert W. Edmands	May 1893 to date*	“
Herbert E. Merrill	May 1894	1909 “
†Ezra D. Souther	1895 Feb.	1898 (Died)
Hon. Albion A. Perry, chairman ex-officio	1896	1898 inclusive
James H. Butler	March 1898	1899 “
Hon. George O. Proctor, chairman ex-officio	1899	
Henry F. Curtis, M. D.	1910 to date*	“

*Present member.

†Deceased.

Table No. 7.**RECAPITULATION (MISCELLANEOUS).**

Appropriation	\$12,500 00	
Reimbursements	3,688 31	
Total receipts		\$16,188 31
Total expenditures		16,327 56
Overdraw		\$139 25
Net expenditures		\$12,639 25

Table No. 6.

EXPENDITURES, IN DETAIL, FOR THE YEAR 1911.

1911.	Medicine.	Board.	Groceries.	Somerville Poor in Other Cities and Towns.	Boots and Shoes.	Dry Goods.	Burials.	Salaries.	Fuel.	Sundries.	Cash Paid Out.	Telephone.	Stationery and Printing.	Somerville Hospital.	State Infirmary.	Nursing.	Mass. Hospital School.	Total.
January . .	\$22.05	\$141.95	\$650.25	\$391.02	\$11.75	. . .	\$35.00	\$351.33	\$137.40	\$5.00	\$21.05	\$20.57	. . .	. . .	. . .	. . .	. . .	\$1,787.37
February .	47.38	44.00	443.50	22.72	. . .	. . .	15.00	331.99	102.55	6.00	20.55	5.50	\$7.55	. . .	. . .	\$10.50	. . .	1,057.24
March . . .	12.81	117.67	415.00	79.85	. . .	. . .	. . .	352.66	93.89	. . .	15.75	6.32	. . .	\$400.00	. . .	5.25	. . .	1,499.20
April	9.98	91.79	460.50	. . .	. . .	. . .	20.00	297.33	3.23	9.00	14.29	17.20	4.00	. . .	. . .	7.50	. . .	934.82
May	18.45	47.65	399.50	656.25	. . .	. . .	35.00	298.83	1.73	4.00	18.30	9.50	. . .	266.66	\$149.31	. . .	. . .	1,905.18
June	35.73	98.99	320.00	114.28	10.50	. . .	. . .	355.66	. . .	1.00	16.96	7.93	13.90	133.33	. . .	3.25	. . .	1,111.53
July	16.30	83.41	416.00	654.89	. . .	. . .	8.00	357.16	. . .	.50	10.90	2.00	. . .	133.33	. . .	8.50	\$101.14	1,792.13
August . .	7.20	47.65	289.50	424.21	. . .	. . .	. . .	357.16	. . .	3.00	9.95	15.06	16.75	133.33	68.97	. . .	. . .	1,372.78
September	8.75	64.43	394.00	. . .	. . .	. . .	. . .	355.66	. . .	2.87	1.84	8.57	. . .	133.33	. . .	11.00	70.28	1,050.73
October . .	47.62	155.36	320.00	137.14	4.50	. . .	. . .	357.16	. . .	. . .	13.80	9.59	. . .	133.33	. . .	7.50	103.43	1,289.43
November .	18.99	62.93	358.00	43.38	. . .	. . .	30.00	355.66	174.98	4.90	8.85	8.74	6.83	133.33	. . .	3.75	. . .	1,210.34
December .	. . .	63.15	239.00	165.71	. . .	. . .	. . .	357.24	59.70	.90	8.10	. . .	7.50	364.08	. . .	. . .	51.43	1,316.81
Totals . .	\$245.26	\$1,018.98	\$4,705.25	\$2,689.45	\$26.75	. . .	\$143.00	\$4,127.84	\$573.48	\$37.17	\$160.34	\$110.98	\$56.53	\$1,830.72	\$218.28	\$57.25	\$326.28	\$16,327.56

REPORT OF WARDEN OF CITY HOME.

City Home, January 1, 1912.

To the Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—I submit the following as the report of the warden of the city home for the year ending December 31, 1911:—

Table No. 1.
REIMBURSEMENTS.

Farm produce sold	\$3,744 16	
Board of sundry persons	1,298 88	
Waldo Brothers, overcharge	8 58	
		\$5,051 62

Table No. 2.
LIVING EXPENSES.

Salaries and wages	\$2,932 31	
Groceries and provisions	2,229 38	
Dry goods	205 36	
Boots and shoes	56 10	
Grain and hay	790 39	
Seed	60 31	
House furnishings	124 60	
Kitchen furnishings	54 08	
Sundries	247 89	
Farm sundries	146 27	
Cash paid by warden, car fares for warden, inmates, and laborers	-67 35	
Medicine	86 52	
Shoeing horses	32 50	
Repairs on wagons	10 20	
Telephone	47 87	
General repairs	22 70	
Pig account	358 65	
Live stock	189 00	
Ice	35 43	
		\$7,696 91

Credits:—

Farm produce	\$3,744 16	
Board of sundry persons	1,298 88	
Waldo Brothers, overcharge	8 58	
		5,051 62
Net living expenses		\$2,645 29

Table No. 3.

Number of weeks' board of inmates	1,751
Number of males admitted during 1911	29
Number of females admitted during 1911	16
Number of males discharged during 1911	20
Number of females discharged during 1911	10
Number of males supported during 1911	42
Number of females supported during 1911	25
Number of males died during 1911	5
Number of females died during 1911	3
Number of inmates in home December 31, 1911	35

Table No. 4.**FARM ACCOUNT.****REIMBURSEMENTS.**

Farm produce sold	\$3,744 16	
Produce used at city home	250 00	
Milk used at city home	306 60	
	<hr/>	\$4,300 76

EXPENSES.

Wages for help	\$1,012 25	
Feed for three cows	370 54	
Feed for one horse	107 66	
Shoeing one horse	10 84	
Repairs on wagons	10 20	
Swill and bedding	358 65	
Farm sundries	146 27	
Live stock	189 00	
Seed	60 31	
	<hr/>	\$2,265 72
Balance		\$2,035 04

Table No. 5.**PERMANENT REPAIRS.**

Removing and rebuilding:—		
Pig yards	\$29 36	
Hot bed fence	39 20	
Shed and piping	55 08	
Greenhouse	21 48	
	<hr/>	\$145 12
Living expenses		7,696 91
Total expenditures		<hr/> \$7,842 03

Table No. 6.

Appropriation	\$3,000 00	
Reimbursements	5,051 62	
Net expenditures	2,790 41	
	<hr/>	
Total receipts	\$8,051 62	
Total expenditures	7,842 03	
	<hr/>	
Balance		\$209 59

Respectfully submitted,

J. FOSTER COLQUHOUN,

Warden.

REPORT OF THE CITY PHYSICIAN.

OFFICE OF THE CITY PHYSICIAN,
Somerville, January 1, 1912.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following summary is submitted as representing the work of your city physician during the year 1911:—

Office consultations and treatments	616
Total outside visits	1,163
Confinements	14
Vaccinations	119
Visits at city home	47
Attended at police station	41
Examinations:—	
For legal department	11
For highway department	13
For police department	3
For fire department	2

Very respectfully,

C. CLARKE TOWLE,
City Physician.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER,
CITY HALL, SOMERVILLE, January 25, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—In accordance with the provisions of the city charter, the following report of the work done and expense incurred for the year ending December 31, 1911, by the departments and appropriations under my charge and supervision, including Engineering, Grade Crossings, Sewers Construction, Sewers Maintenance, Public Grounds and Parks, and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

City Engineer Account.

Statement of Expenses, 1911.

Salary of City Engineer	\$3,000 00	
Salaries of assistants (see itemized statement following)	7,536 60	
Stakes, tools, and general supplies (outside work)	139 35	
Draughting materials and office supplies (inside work)	152 17	
Car fares	183 17	
Maintenance of automobile	488 71	
Setting stone bounds	36 14	
Telephone, postage, expressing, and incidentals	113 49	
	<hr/>	
Total debit		\$11,649 63
CREDIT.		
Appropriation	\$11,500 00	
Amount received for making acceptance plans	40 00	
Amount received from other departments, services rendered	125 00	
	<hr/>	
Total credit		\$11,665 00
		<hr/>
Balance unexpended		\$15 37

Classification of Expenses, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$1,266 30
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving, and all other engineering relating to the department	982 70

Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs, and assessments	697 40
Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, lines and grades, etc.	132 90
Water Works,—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to the department	443 40
Public Grounds and Parks,—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and playgrounds and boulevards	777 30
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction and laying out of grounds	103 80
Street Numbering,—comprising locations of buildings, plans, and affixing street numbers on houses	236 50
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	181 80
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc.	756 20
Middlesex Registry,—comprising copying of plans and abstracts from deeds and examination of titles filed at East Cambridge, also tracings of street acceptance and sewer taking plans filed for record	175 10
Private Corporations, Railway, Telephone, Electric Light, and Gas Light Companies,—comprising grades, plans, profiles, and office notes, locations of poles and conduits	143 40
Stone Bounds,—locating and setting	147 50
Office Work,—comprising records of all locations, indexing, typewriting, bookkeeping, calculations, reports, and general draughting	814 50
Miscellaneous Work,—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees	141 20
Vacations, Holidays, and Sickness	536 60
Total	<hr/> \$7,536 60

Office Records and Value of Instruments.

Number of survey note-books, sewer permit books, deed books, calculation books, and record books,—three hundred and thirty.	
Number of plans, including sewers, highways, parks, house lots, etc.,—six thousand six hundred and twenty-five.	
Value of field instruments, tools, and office instruments,—	\$2,500 00

The number of assistants employed during the year on engineering work varied from seven to fifteen.

General Work. A varied line of city work is carried on each year under the Engineering department, including the designing and superintending of the construction and maintenance of sewers, parks, playgrounds, boulevards, bridges, and

other public works as may be authorized; the making of such surveys, plans, estimates, descriptions and specifications, and contracts for work as the mayor, board of aldermen, or any committee or department may require; the custody of all plans and profiles; and all data relating to the laying out, widening, or discontinuing of streets, and the engineering work for all departments of the city.

The city ordinances require that the city engineer must be consulted on all work where the advice of a civil engineer would be of service; and no structure of any kind can be placed upon, beneath, or above any street by any department of the city, corporation, or individual, until a plan is furnished showing the location, and approved by him.

During the year the department made plans and established grades for the acceptance, under the betterment act, of eight new public streets, a total length of 4,152 feet.

Four plans have been made of private streets for acceptance as public streets during the year, as ordered, but not as yet made public, and there are plans for acceptance of ten other private streets, previously made, on file in the office that for various reasons are still unaccepted as public ways.

Stone bounds have been set in Portland cement concrete at a number of street intersections and angles to define and preserve the true lines of public streets, and this work should be continued as much as possible each year.

Stone Bounds Set in 1911.

Fairmount avenue, southwest side, northwest side Curtis street.
Fairmount avenue, southwest side, northwest side Watson street.
Hill street, southeast side, southwest side Fairmount avenue.
Hinckley street, southeast side, northeast side Richardson street.
Hinckley street, southeast side, southwest side Wilton street.
Langmaid avenue, southeast side, northeast side Broadway.
Langmaid avenue, southeast side, southwest side Heath street.
Paulina street, northwest side, northeast side Holland street.
Paulina street, northwest side, southwest side Broadway.
Victoria street, northwest side, southwest side Broadway.
Victoria street, northwest side, southwest side Woodstock street.

In the report of 1907 a table was compiled from old reports, maps, and office notes, showing the location of stone bounds, as set, for defining street lines and angles; the year when set, and whether existing or removed at the present time, from 1860 to 1907, inclusive, and in the following reports a list of bounds set during each year. There are at the present time 571 stone bounds set in the city for defining street lines.

The total length of public streets in the city is 76.665 miles, and private streets 20.051 miles. (See table in this report for location, width, length, etc.)

Streets Accepted as Public Highways in 1911, under the Betterment Act.

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in Feet.	Date of Acceptance.
Conwell ave. . .	7	Curtis st. . .	North st. . . .	40	1,346	Dec. 30
Dearborn rd. . .	7	Boston ave. . .	College ave. . .	50	469	Dec. 30
Fremont st. . .	5	Meacham st. . .	Northeasterly . .	40	460	Dec. 28
Garrison ave. . .	7	Broadway . . .	{ Land of City of Cambridge. . .	40	460	Dec. 28
I.eland st. . . .	2	Washington st. .		40	359	Dec. 30
Lowell st. . . .	6	Summer st. . . .	Crown st. . . .	40	351	Dec. 28
*Prichard ave. .	6	Boston ave. . . .	Frederick ave. .	40	517	Dec. 30
Shawmut pl. . .	1	Shawmut st. . .	Alston st. . . .	30	190	Dec. 30
Total . . . . .	..	. . . . .	(0.786 miles)	..	4,152	. . . . .

*Eliminated December 30, 1911.

Length of Public Streets in Each Ward.

	Miles.
Ward one	9.530
Ward two	8.601
Ward three	7.479
Ward four	9.390
Ward five	11.622
Ward six	12.611
Ward seven	17.417

Total length of public streets in the city, 76.650

A number of street names have been changed and plans made showing a re-numbering of the buildings, and all old numbering plans revised, new houses plotted, and numbers assigned.

Some of the old main thoroughfares should be re-numbered throughout their entire length, so as to eliminate half numbers and letters now being used, as many of these old streets have outgrown their original numbering.

There are many streets, avenues, courts, and places in the city of the same or very similar name, which should be changed to prevent the confusion and inconvenience now existing.

Mystic avenue between the Boston line and Austin street (excepting the area used by the street railway), a length of 1,100 feet, has been paved with granite blocks, averaging four and one-half inches in depth, grouted with pebbles and cement, laid with a sand and cement cushion one inch in thickness, on a Portland cement concrete base four inches in thickness. The street railway tracks were laid by the company and paved with granite blocks at their expense.

The remaining length of this avenue to the Medford line is a state highway.

This pavement was laid by contract at the following cost:—

Bruno & Petitti, contractors:—

Laying 3,251 square yards granite block paving, concrete base	\$8,940 25	
Extra work grouting old pavement	79 06	
	<hr/>	
Cost of work done by contract		\$9,019 31
City,—re-laying sidewalks, etc.		102 82
		<hr/>
Total cost of work		\$9,122 13

CREDIT.

By old granite gutter paving	\$119 90	
	<hr/>	
Net cost of pavement to the city		\$9,002 23

Average cost, \$2.81 per square yard for cement-grouted granite block pavement laid on concrete base, including all incidental work.

Vitrified brick pavement has been extended in a number of streets, the brick blocks being furnished by the city. In these streets the railway tracks were re-laid by the company at their expense, the granite block pavement between the tracks being laid on a concrete base and grouted with Portland cement, the cost of the work being as follows:—

Elm street, extending from Chester street to Cutter square, a length of 390 feet:—

C. W. Dolloff & Co., contractors:—

Laying 1,176 square yards vitrified brick block paving, concrete base	\$1,470 00	
Extra work, re-laying crossings, etc.	53 12	
	<hr/>	
Cost of work done by contract		\$1,523 12
City,—furnishing 47,800 vitrified brick blocks		1,520 04
re-laying sidewalks, etc.		68 89
		<hr/>
Total cost of work		\$3,112 05

CREDIT.

By old granite gutter paving	\$58 77	
	<hr/>	
Net cost of pavement to city		\$3,053 28

Average cost, \$2.65 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Holland street, extending from Davis square to Irving street, a length of 682 feet:—

C. W. Dolloff & Co., contractors:—

Laying 2,003.5 square yards vitrified brick block paving, concrete base	\$2,504 37	
Extra work, re-laying crossings, etc.	128 55	
	<hr/>	
Cost of work done by contract		\$2,632 92
City,—furnishing 81,400 vitrified brick blocks		2,612 52
re-laying sidewalks, etc.		160 46
		<hr/>
Total cost of work		\$5,405 90

Average cost, \$2.70 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Teele square and vicinity, extending on Broadway, from Westminster street to Clarendon avenue, and on Holland street, from Broadway to Moore street, a length of 692 feet:—

C. W. Dolloff & Co., contractors:—

Laying 2,316.5 square yards vitrified brick block paving, concrete base	\$2,895 63	
Extra work, re-laying crossings, etc.	91 67	
		<hr/>
Cost of work done by contract		\$2,987 30
City,—furnishing 93,900 vitrified brick blocks		3,229 56
re-laying sidewalks, etc.		167 19
		<hr/>
Total cost of work		\$6,384 05

Average cost, \$2.75 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Ball square, extending on Broadway, from Boston avenue to Willow avenue, a length of 425 feet:—

C. W. Dolloff & Co., contractors:—

Laying 1,871 square yards vitrified brick block paving, concrete base	\$2,338 75	
Extra work, re-laying crossings, etc.	35 86	
		<hr/>
Cost of work done by contract		\$2,374 61
City,—furnishing 75,900 vitrified brick blocks		2,725 23
re-laying sidewalks, etc.		28 46
		<hr/>
Total cost of work		\$5,128 30

Average cost, \$2.74 per square yard for cement-grouted vitrified brick block pavement laid on concrete base, including all incidental work.

Broadway, on the southwesterly side, extending from Arthur street to School street, a length of 2,060 feet, has been constructed with trap-rock, using "tarvia" for a binder, the work being done by the Highway department, day labor, at the following cost:—

City, Highway Department (day labor):—

Constructing 8,000 square yards pavement:—

Labor, teaming, rolling	\$3,997 37
Stone used (2,634 tons)	3,434 07
"Tarvia" used (27,436 gallons)	1,922 28

Total cost of work	<hr/> \$9,353 72
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Average cost, \$1.17 per square yard for street construction with bituminous wearing surface.

Beacon street, extending from Buckingham street to Washington street, a length of 1,000 feet, has been improved,

using the same form of construction as described on Broadway, at the following cost:—

City, Highway Department (day labor):—

Constructing 3,111 square yards pavement:—

Labor, teaming, rolling	\$2,252 40
Stone used (1,127 tons)	1,527 37
"Tarvia" used (14,372 gallons)	991 80

Total cost of work	<u>\$4,771 57</u>
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Average cost, \$1.53 per square yard for street construction with bituminous wearing surface.

The total length of permanent paved streets in the city amounts to 9.6 miles.

The policy recently adopted of permanently constructing the city's main thoroughfares in preference to side streets has commenced to show good results.

In a few years' time, by the continuation of permanently constructing the remaining roadways, namely, on Broadway (Winter Hill to the Arlington line), Summer, Elm, Holland, Beacon, and Washington streets, the city will have main thoroughfares that will compare favorably with any city in the state.

Six new streets have been constructed during the year, with a "tarviated" trap-rock surface, a length of 2,179 feet (0.41 mile), costing \$4,069.46, where betterment assessments have been levied on the abutting property amounting to \$2,870.23; the average cost of this construction being \$0.95 per square yard.

Four streets have been constructed, "tarvia" being used as a binder, a length of 3,069 feet (0.58 mile), where no assessments were levied.

Ten streets have been re-macadamized or re-surfaced, a length of 10,745 feet (2.03 miles).

Table of Street Construction.

	Square Yds.	Miles.
*Streets paved with granite blocks	96,749	3.86
Streets paved with Hassam pavement	36,802	1.80
Streets paved with asphalt	10,410	0.73
Streets paved with vitrified brick	13,564	0.64
Streets paved with bitulithic	14,689	0.88
Combination pavement (concrete base with bituminous top)		1.63
Streets macadamized ("tarvia" bound)		11.04
**Streets macadamized (water bound)		54.96
Streets graveled or unimproved		20.99
Total		<u>96.58</u>

*Also 31.9 miles (single track) electric railway, paved with granite, asphalt, bitulithic.

**Includes 3.29 miles boulevard and 1.16 miles state highway.

Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1911.

STREET	Ward.	SIDE.	FROM	To.	WIDTH OF SIDEWALK IN FEET.	MATERIAL.				Total Cost.	PAVED GUTTERS.		
						Gravel and Edge- stone. Lineal Feet.	BRICK.		GRANOLITHIC.		Sq. Yards.	Cost.	
						Lin. Feet.	Sq. Yards.	Lin. Feet.	Sq. Yards.				
Ashland	6	Westerly	Summer street	Sartwell avenue	5.00	497.1				\$620.02	165.7	\$415.21	
Beacon	6	Southwesterly	Forest street	Oxford street (where not laid)	11.00			170.6		526.11			
Forest	6	Northwesterly	Beacon street	Cambridge line	6.67			111.0	266.1				
Bowdoin	2	Both	Washington street	Lincoln park	6.67		657.7	449.8		513.04			
Broadway	7	Southerly.	College avenue	Wallace street	11.00	Gran. 8.0, sod rem. width		842.3	774.7	1,365.11			
Broadway	6	Northeasterly	Bristol road	Boston avenue	11.00			286.6	340.0	437.75			
Broadway	7	Northerly	Pearson road	Bristol road	11.00	Gran. 8.0, sod rem. width		278.5	250.9	480.40			
Broadway	6	Both	Approaches to bridge	North Somerville		424.5				446.03	141.5	256.28	
Cedar	6	Westerly	Spencer avenue	B. & M. R. R.	6.67			423.9	281.3	400.56			
Cedar	5	Easterly	Highland avenue	Hudson street	6.67		179.6	121.5		137.39			
Chandler	7	Both	Chapel street	Park avenue	6.67			1,203.6	666.8	1,030.44			
Chandler	7	Both	William street	Chapel street (where not laid)	6.67		107.3	71.6		95.13			
Chapel	7	Southwesterly	College avenue	Chandler street	6.67			265.5	179.3	304.32			
Cleveland	6	Southwesterly	Central street	Harvard street	6.67			457.6	310.2	464.05			
Evergreen avenue.	5	Both	Sycamore street	School street (where not laid)	6.67			1,173.7	782.6	1,163.14			
Fremont avenue	2	Both	Bowdoin street	Lincoln p'kway	5.00	417.0				347.53	139.0	304.52	
Grove	7	Both	Highland avenue	Morrison ave. (where not laid)	6.67	503.3	653.9	429.3		958.29	167.7	435.90	
Hawthorne	7	Northeasterly	Willow avenue	Cutter avenue	5.00			789.7	379.1	650.95			
Hawthorne	7	Southwesterly	Willow avenue	Cutter avenue	5.00			817.3	397.6	771.87			
Highland avenue	7	Southwesterly	Willow avenue	Grove street	10.00		711.7	738.5		922.17			
Highland avenue	6	Southwesterly	Cedar street	Hancock street	10.00		438.3	455.4		581.52			
Irving	7	Northwesterly	Broadway	Holland street	6.67			1,179.7	787.0	1,229.50			
James	4	Both	Pearl street	Veazie street	6.67		654.4	430.6		506.76			
Jay	7	Southerly	Holland street	Howard street	6.67			408.8	275.8	409.16			
Kingston	7	Both	Thorndike street.	Cambridge line	6.67			766.3	530.9	861.92			
Liberty avenue	7	Both	Broadway	Hall avenue	6.67	1,928.1				2,085.56	642.7	1,438.85	
Liberty avenue	7	Northwesterly	Appleton street	Powder House terrace	6.67								
Liberty avenue	7	Southeasterly	Appleton street	Mallet street	6.67			1,973.3	1,297.5	1,942.21			
Linden avenue	6	Westerly	Elm street	Summer street	7.50		1,059.8	840.4		1,291.54			
Lovell	7	Both	Broadway	Electric avenue	6.67	728.6				808.40	242.9	609.16	
Mallet	7	Both	Willow avenue	Liberty avenue	6.67	1,122.3				1,185.33	374.1	880.30	
Medford	2	Southwesterly	In front of estate No. 46		8.33		28.6	21.1		29.02			
Medford	2	Westerly	In front of estate No. 16-18		8.33		43.4	37.6		44.49			
Melvin	4	Both	Broadway	Bonair street (where not laid)	6.67		165.0	109.7		122.69			
Merriam	2	Both	Somerville avenue	Charlestown street	5.00	1,011.0				897.67	337.0	688.15	
Merriam	2	Easterly	Washington street	Somerville avenue	6.67		375.40	253.10		298.00			
Morrison avenue	6	Both	Cedar street	Willow avenue	8.33	2,336.0				2,729.05	778.7	2,177.10	
Mystic avenue	1	Both	Boston line	Near Austin street	10 & 11	914.2				1,037.24			
*Mystic	2	Both	Washington street	Somerville avenue	6.67	689.7				621.29	229.9	454.96	
Mystic	1	Easterly	Mystic avenue	Est. M. M. Shedd, Trustee	6.67		242.3	170.5		194.20			
Norwood avenue	5	Both	Broadway	Medford street	6.67				726.2	485.8	701.42		
Oxford	3	Southwesterly	Central street	Hersey street	6.00				657.2	388.5	573.62		
Parker	2	Both	Washington street	Fremont avenue	5.83	419.6				338.19	139.9	294.84	
Partridge avenue	5	Northwesterly	Medford street	Vernon street	7.67	Brick 5.67 Sod rem. width	924.9	601.3		923.53			
Pearson avenue	6	Both	Morrison avenue.	Boston avenue (where not laid)	7.50	Gran. 5.0, sod rem. width			701.70	407.4	828.45		
Pembroke	5	Northeasterly	Sycamore street	Central street	6.67				401.4	265.9	369.38		
Pembroke	5	Southwesterly	Sycamore street	Central street	6.67				411.7	278.9	407.38		
Princeton	5	Both	Alpine street	where already laid	6.67	938.7				1,090.52	312.9	721.58	
South	2	Northerly	In front of estate A. S. Scotti		5.00		55.7	27.2		36.77			
Stone avenue.	3	Both	Columbus avenue	Prospect Hill Pkwy	5.67				207.7	118.2	226.26		
Summer.	6	Northeasterly	Cedar street.	Cherry street (where not laid)	7.50				421.2	317.5	530.00		
Summer.	6	Northeasterly	In front of estate No. 249		7.50				47.0	35.5	60.50		
Summit	7	Southwesterly	Billingham street	College avenue	6.67				407.1	274.6	407.73		
Summit	7	Northeasterly	Billingham street	where already laid	6.67								
Sycamore	5	Westerly	Pembroke street	R. R. bridge	6.67				261.6	174.1	275.45		
Temple	4	Southerly	Jaques street	Sydney street	11.00	Gran. 8.0, sod rem. width			502.2	449.7	813.20		
Tennyson	5	Northerly	Medford street	Pembroke street	6.67				408.7	276.0	385.44		
Thorndike	7	Both	Kingston street	Subway	6.67				276.6	172.2	237.52		
Trull	5	Westerly	Medford street	Vernon street	6.67		1,063.3	711.5		1,083.58			
Veazie	4	Northeasterly	Walnut street	Marshall street	5.83 & 6.67				653.5	403.7	570.99		
Walter	4	Both	Walnut street	Mortimer place	6.67	960.2				1,091.42	320.1	604.30	
Warwick	5	Both	Cedar street	Warwick place	6.67	1,284.1				1,398.50	428.0	1,008.84	
Washington	1	Southerly	Estates Nos. 34 - 36		11.50		55.7	65.3		78.53			
West	7	Both	Highland avenue	Hawthorne street	5.00	363.2				331.35	121.1	290.39	
Westminster	7	Both	Broadway	Electric avenue	6.67				779.4	516.9	762.08		
Willow avenue	7	Northwesterly	Highland avenue	Morrison avenue	8.33	Gran. 5.0, sod rem. width			558.3	374.4	694.60		
Winslow avenue	7	Both	College avenue	Clifton street (where not laid)	6.67	1,419.5				1,309.48	473.2	976.21	
Total assessment, \$22,032.88.						15,957.1	7,417.0	5,534.4	18,569.9	12,459.1	\$44,065.74	5,014.4	\$11,496.59
Net cost to city, \$22,032.86.													

* Mystic street changed to Merriam street.

Amount of edgestone and sidewalks, brick, granolithic and tar, in front of private estates

1,913.0

Totals . . . Gravel sidewalks, 2,623 miles. Brick sidewalks, 1,405 miles. Granolithic sidewalks, 3,879 miles.

Lines and grades have been given for setting 15,957.1 linear feet (3.022 miles) of new edgestone, and 5,534.4 square yards (1.405 miles) of new brick sidewalks, and 12,459.1 square yards (3.517 miles) of granolithic sidewalks have been laid, and measurements taken for computing assessments; also on private streets 0.36 of a mile of granolithic sidewalks have been laid by private parties.

In connection with setting edgestone 5,014.4 square yards of new paved gutters have been laid, at an average cost of \$2.29 per square yard, and a number of driveways and crossings have been constructed, all requiring lines, grades, and measurements. (See tables for cost of new work, 1911, and total lengths of sidewalks constructed in the city to date.)

The average cost for the year has been as follows:—

For setting edgestone with gravel sidewalk . . .	\$1.06 per linear foot
Laying brick sidewalk, complete	1.30 per square yard
Laying granolithic sidewalk, complete	1.54 per square yard

And the cost of materials used, furnished by contract:—

Edgestone (straight) delivered at work	\$0.58 per linear foot
Edgestone (circle) delivered at work	0.75 per linear foot
Bricks delivered at work	13.20 per M.
Cement (Portland) on cars	1.11 per barrel (net)
Sand and gravel on cars	0.66 per cubic yard
Crushed stone on cars	1.10 per ton

In sections of the city where brick sidewalks have been laid many years, and must necessarily be re-laid on account of deterioration and unevenness, granolithic should be substituted in the place of brick.

Miles of Edgestone, Gravel, Granolithic and Brick Sidewalks in Each Ward.

	Edgestone.	Gravel Sidewalk.	Brick Sidewalk.	Granolithic Sidewalk.
Ward one	17.609	4.749	11.960	0.900
Ward two	14.421	8.110	6.300	0.011
Ward three	13.979	1.772	11.511	0.696
Ward four	14.301	3.093	9.854	1.354
Ward five	20.574	6.800	12.142	1.632
Ward six	22.338	7.514	10.612	5.628
Ward seven	23.345	8.954	8.260	7.383
Total miles in the city .	126.567	40.992	70.639	17.604

A considerable quantity of stone still remains on the two parcels of ledge property owned by the city, situated in West Somerville, that can be quarried and used for the foundation of streets and on sidewalk work, to the city's advantage. By using the stone from these two ledges and purchasing trap-rock, the city will have a sufficient supply of good road material for a number of years to come.

Lines and grades have been given for laying 6,301 linear feet of new city water mains, varying in size from two inches to twenty inches in diameter. Two hundred and thirty-four new house services, gates, hydrants, water posts, and blow-offs have been located and recorded, sketches and plans made showing the same, and the large water works map corrected to date, and a large number of old meters and services have been located and recorded.

A set of block plans should be made covering the entire city area from accurate surveys made during the past twenty-five years, and compared section by section with the deed dimensions and areas recorded in the assessors' department, and in this manner the correct areas of land determined.

This set of plans would also be of value to the water department and various other departments, and would more than pay for the cost of making; five of these sectional plans have already been made.

Plans have been made and photographs taken where accidents have occurred on the city work or where boundaries were in dispute, and special plans and data prepared for the city solicitor's use in court cases and hearings.

All plans of estates in Somerville recorded at the Registry of Deeds, East Cambridge, including land court plans, have been copied, also titles examined, abstracts from deeds made for the purpose of assessments, and the proportional part of the cost of new work computed, and schedules of assessments made out showing the property owners. Copies have been made of all city plans where land has been taken for highways or sewers, and these have been filed and recorded at the Registry, East Cambridge, as required by law.

Plans have been made by the various companies and corporations, and filed in the city engineer's office, showing the locations of gas mains, poles, tracks, and conduits in this city, which have been granted by the board of aldermen during the year; and the work of placing overhead wires in conduits underground and removing all poles from streets should be extended as rapidly as possible.

At the present time there are underground in the city's streets 14.4 miles of telephone conduits, 7.1 miles of electric light conduits, 1.4 miles of electric railway conduits, and about 5.1 miles of underground conduits used for the city's wires.

The Cambridge and Charlestown gas companies have extended their mains in the city's streets 3.1 miles the past year.

Heavy explosions have occurred in the city's streets from underground conduits, owned by private corporations. The city ordinances should be so changed that in the future all

underground work constructed by these companies should be rigidly inspected by a competent man employed by the city, so as to eliminate as far as possible faulty construction.

The Boston Elevated Railway Company have made extensive repairs in their roadbed in this city during the past year, replacing the old tracks with new and heavier rails, filling the space between the ties with Portland cement concrete, and grouting the granite block pavement with cement in sections of Broadway, Holland street, Elm street, and Medford street. Also new curves and special work have been laid at the junction of Cross street and Medford street, and tracks re-laid on Webster avenue and Newton street on account of the grade crossing work.

Where double car tracks have been laid in streets, leaving narrow roadways on either side, it is impossible to maintain a macadam surface, even at a heavy expense yearly, and these streets should be permanently paved with a suitable pavement, adapted to the character of the surroundings and amount of traffic and conditions encountered.

There are 31.9 miles of electric railroad (single track location) laid at the present time in the city's streets; and in watering the main thoroughfares, time and expense could be saved by utilizing this trackage for running street-sprinkler cars, the same as operated in a number of cities throughout the state.

Bridges and Grade Crossings. An act of the legislature was approved April 5, 1911, authorizing the city of Somerville and town of Arlington, any time within five years, to lay out, construct, and maintain a public way and bridge over Alewife brook, connecting Woodstock street in Somerville with Henderson street in Arlington, subject to the approval of the Metropolitan Park Commission, and assess betterments for the same. No appropriation has been made for this work.

The location of this proposed bridge would be on land already taken by the state for the improvement of Alewife brook, and when this work is further developed probably this connection will be satisfactorily planned.

Grade Crossings Account.

STATEMENT OF EXPENSES, 1911.

Account overdrawn, 1910	\$33,760 16
Extra legal services (City Solicitor)	2,875 26
Paid various parties for appraisal of property and damages and repairing property	1,635 85
Paid for damages and land and buildings taken	103,830 19
Photographs	27 00

\$142,128 46

CREDIT.

Received from Boston & Albany Railroad Company, decree of court	\$1,466 93	
Received from Commonwealth of Massachusetts, apportionment of damages, decree of court	32,198 29	
Received from Boston Elevated Railway, decree of court	16,046 45	
Received from Boston & Maine Railroad Company, decree of auditor	53,102 68	
		<hr/>
		\$102,814 35
Overdrawn, 1911		<hr/>
		\$39,314 11

The work of abolishing grade crossings on the Fitchburg division of the Boston & Maine railroad in Somerville is progressing, the Webster-avenue crossing having been practically completed the past year. This work included the building of a new station for Union square, and a separate bridge was constructed over the Fitchburg railroad tracks, east of the street, for carrying the state and city water mains.

Probably work will be commenced at the Medford-street and Park-street crossings the coming year.

The construction work for the elimination of these dangerous grade crossings will be continued for a number of years as decreed by the court, and the total cost of the work, as completed, will be apportioned as follows: The steam railroad company, sixty-five per cent.; the state, twenty-five per cent.; and the city, ten per cent., except at the Webster-avenue crossing, where the steam railroad and city pay the same percentage of cost as at other crossings, the state twelve and one-half per cent., and the street railway company twelve and one-half per cent.

The plans for abolishment of these crossings were described in previous annual reports, and at two streets the plan adopted is the same as proposed by the city's scheme presented to the commission; at the other three streets the plan adopted is just the reverse of the city's scheme, as presented.

Perambulation of City Boundary Lines. November 23, 1912, representatives appointed from the city of Somerville and city of Boston examined the boundary marks defining the division line between these two cities, and reported their findings in due form to the board of aldermen.

Some of these stone monuments are to be reset, and three, which have been removed, are to be replaced with new stones.

A contemplated change in the boundary line between Somerville and Medford is under consideration by committees representing both cities, and probably an exchange of territory can be made that will be equally advantageous.

SEWERS.**Construction Account.****STATEMENT OF EXPENSES, 1911.**

Constructing "separate system" sewers (assessments levied)	\$1,921 30
Constructing "separate system" sewers (no assessments)	2,102 46
Constructing "combined system" sewers (assessments levied)	1,755 09
Constructing "combined system" sewers (no assessments)	255 74
Constructing storm drain across athletic field to Alewife brook	568 21
Constructing catch basins and manholes, street drainage	3,228 86
Constructing cement shed	361 60
Sundry expenses, books and printing	11 00
Materials on hand December 30, 1911	1,409 57
Total expenditure	\$11,613 83
Transferred to Public Buildings construction, building public buildings	1,816 45
Transferred to Paved Gutters and Crossings	5,000 00
Transferred to Recreation Field, Alewife brook	5,000 00
Total debit	\$23,430 28
CREDIT.	
Balance unexpended December 31, 1910	\$5,281 94
Appropriation, 1911	20,000 00
Assessments levied, sewers constructed, 1911	3,451 14
Amounts received from other departments	27 43
Materials on hand December 31, 1910	679 53
Total credit	\$29,440 04
Balance unexpended	\$6,009 76

The greater part of the new construction work has been done by contract, and the remainder by the city employing day labor where old structures were to be remodeled or replaced by some difficult construction work.

All materials have been furnished by the city, and the prices paid for supplies, for the season, have been by contract with the lowest bidder as follows:—

Akron sewer pipe (3 ft. lengths),	81 3-5% discount from list price, on cars
Sewer pipe fittings	83% discount from list price, on cars
Portland cement, per barrel	\$1.11 on cars (net)
Sand, per cubic yard	0.66 on cars
Sewer bricks, per M.	7.20 at yard
Iron manhole and catch basin castings, per hundred weight,	1.37 on cars
Catch basin traps, each	1.80 at foundry

A number of sewers have been constructed as petitioned for in various sections of the city, or as considered necessary for the improvement of the drainage system, and portions of the cost of construction assessed on the abutting estates under orders adopted by the board of aldermen.

Short lines of storm drains and overflows from congested sewers have been constructed during the year in the most needed districts.

The "separate system" sewers (those built for house drainage only) have been extended in a number of streets in the older districts, and this system should be extended yearly until all the flooded districts in the city have two complete systems of drainage, the old sewer to be used for storm and surface water. The city pays the entire cost of these new sewer extensions for house drainage, and wherever constructed the house plumbing should be changed where necessary, and the house drains and conductor, or surface water drains, re-connected with both systems as soon as possible.

New sewers and drains were constructed during the year varying in size from eight-inch pipe to twelve-inch pipe, and thirty-inch brick in the following localities:—

"Separate system" sewers in:—

Bailey street,—North street to West Adams street.

Clarendon avenue,—extension of 1910 work, north-easterly.

Harold street,—Marion street to Dimick street.

North street,—Conwell avenue to Medford city line.

West Adams street,—Conwell avenue to Medford city line.

West Quincy street,—Bailey street to Medford city line.

"Combined system" sewers in:—

Columbia street,—extension of 1910 work to Webster avenue.

Line street,—extension of 1904 work, southeasterly.

Lowell circle,—Lowell street, northwesterly.

Mt. Vernon avenue,—Mt. Vernon terrace to Main street.

Mt. Vernon terrace,—Mt. Vernon avenue, easterly.

Snow place,—(Belmont square) Belmont street to angle, thence northerly and southerly.

Summer street,—Linden avenue to Porter street.

Veazie street,—Marshall street, southeasterly.

Waldo avenue,—Dimick street to Beacon street.

Storm drain:—

Across "Somerville Field,"—Powder House boulevard to Alewife brook.

TABULAR STATEMENT OF SEWERS AND STORM DRAINS BUILT IN 1911.

LOCATION.					ITEMS OF CONSTRUCTION AND COST.																			
NAME OF STREET.	FROM	TO	CONTRACTOR.	MATERIAL EXCAVATED.	Average Cut.	SEWER.		SUB-DRAIN.		Cubic yards Rock Excavation.	Price per cubic yard, Rock.	Manholes.	Average cost Manholes.	Inlets.	PIPE SEWER, COST PER LINEAL FOOT.						Total cost.	Assessment.	Cost to City.	
						Size in inches.	Length in feet.	Size in inches.	Length in feet.						Excavating, Re-filling, and Pipe Laying.		Price, including Sub-drain where laid.	Inspection.	Miscellaneous.	Average cost per lineal foot.				
															Main Sewer.	Sub-drain								
*Bailey street	North street	Near West Adams st. .	Bartholomew Burke .	Hardpan and rock . .	5.3	8	358.1	6	358.4	98.9	\$2.40	1	\$38.00	54	\$0.38	\$0.20	\$0.12	\$0.06	.....	\$1.53	\$547.65	.....	\$547.65
*†Clarendon avenue	Uncompleted work 1910	Northeasterly	Day labor	Sand and rock	9.0	8	89.0	.....	.....	30.0	.....	1	.....	32	.....	.....	.....	.....	.....	.....	422.22	\$423.75	.....
†Columbia street	Uncompleted work 1910	Centre of Webster ave.	Day labor	Filling	9.0	30	73.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	255.74	.....	255.74
*Harold street	Marion street	Near Dimick street . .	John D. Collins . . .	Filling and clay	7.0	8	279.3	.....	.....	.....	.....	1	47.00	24	0.50	.....	0.21	0.04	\$0.01	0.92	258.20	257.63	0.57
Line street	Sewer built in 1904 . .	Southeasterly	Day labor	Clay	9.5	8	210.3	.....	.....	.....	.....	1	34.00	19	.....	.....	.....	.....	.....	1.91	400.83	200.00	200.83
Lowell circle	Lowell street	Northwesterly	Bartholomew Burke .	Hardpan	5.5	8	136.0	.....	.....	.....	.....	1	34.00	4	0.42	.....	0.23	0.07	0.01	0.98	133.84	133.71	0.13
Mount Vernon avenue and . . .	Mount Vernon terrace .	Near Main street . . .	Bartholomew Burke .	Hardpan	9.0	8	72.8	.....	.....	.....	.....	1	39.00	4	0.60	.....	0.21	0.03	.....	1.16	282.08	278.53	3.50
Mount Vernon terrace	Mount Vernon avenue .	Easterly	Bartholomew Burke .	Hardpan	8.4	8	169.5	.....	.....	.....	.....	1	39.00	14	0.60	.....							
*North street	Conwell avenue	Bailey street	Bartholomew Burke .	Hardpan	9.0	10	484.8	8	485.0	14.1	2.40	2	41.50	74	0.65	0.20	0.37	0.06	.....	1.46	1,240.88	1,222.60	18.28
	Bailey street	Medford line bound 17 .	Bartholomew Burke .	Hardpan	8.5	8	363.7	6	361.2	.....	.....	1	41.50	58	0.63	0.20							
Across Recreation Field (storm drain)	Powder House boulevard	Alewife Brook	Day labor	Filling	4.0	10 12	475.0	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1.20	568.21	.....	568.21
Snow Place (Belmont Square) . .	Belmont street	Angle, thence N'y & S'y	Bartholomew Burke .	Hardpan and rock . . .	6.2	8	230.0	.....	.....	20.7	2.60	1	31.00	10	0.42	.....	0.22	0.06	0.01	1.08	248.28	247.53	0.75
Summer street	Linden avenue	Near Porter street . . .	Bartholomew Burke .	Hardpan	7.7	8	322.2	.....	.....	0.5	4.00	1	38.00	26	0.58	.....	0.21	0.04	.....	0.95	307.36	306.34	1.02
Veazie street	Marshall street	Southeasterly	Bartholomew Burke .	Filling and hardpan . . .	5.5	8	169.3	.....	.....	.....	.....	1	36.00	10	0.38	.....	0.22	0.02	.....	0.83	140.04	139.85	1.09
Waldo avenue	Dimick street	Near Beacon street . .	T. F. Crimmings & Son	Hardpan	8.2	8	225.0	.....	.....	1.0	4.00	1	36.00	16	0.63	.....	0.22	0.04	0.01	1.07	241.81	241.20	0.61
*West Adams street	Conwell avenue	Near city line (Medford)	T. F. Crimmings & Son	Hardpan and rock . . .	5.0	8	699.0	6	699.0	76.2	2.50	4	32.00	90	0.34	0.20	0.17	0.03	.....	1.19	834.82	.....	834.82
*West Quincy street	Bailey street	Near Medford line . . .	Bartholomew Burke .	Hardpan and rock . . .	7.4	8	287.0	6	287.0	188.5	2.40	1	38.00	44	0.42	0.20	0.12	0.06	.....	2.51	719.99	.....	719.99
Total length and cost of new sewers and drains built in 1911,											4,644.5 (0.880 miles.)											\$6,602.80	\$3,451.14	\$3,151.66

* Separate system sewers.
† Commenced 1910; completed 1911. Total cost of Clarendon avenue sewer \$1,338.08

Total length of public sewers in the city, January 1, 1912 469,017.7 feet.
Total length of private sewers in the city, January 1, 1912 34,748.0 feet.
Total length of sewers in the city, January 1, 1912 503,765.7 feet, = 95.410 miles. (26.853 miles separate system sewers.)
Total length of storm drains in the city, January 1, 1912 35,638.3 feet, = 6.760 miles.
Total length of the city drainage system, January 1, 1912 102,160 miles.
Total length of Met. sewerage system mains running through the city 3,368 miles.

Summary of Work. Sixteen new sewers and drains have been constructed during the year, a total length of 4,644.5 linear feet (0.880 mile), at a cost of \$6,602.80; plans have been made showing these sewers in detail, and assessments levied on a portion of them, amounting to \$3,451.14. (See tabular statement of sewers and drains for 1911, showing itemized statement of work and cost.)

The total length of the city's drainage system is 102.16 miles, 26.853 miles being on the "separate system" and 6.75 miles of storm drains, and the entire cost of construction has amounted to about \$1,257,866, exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

Forty-seven new catch basins have been constructed in the highways during the year, at an average cost of \$61.25 per basin, and six removed, making a total of 1,638 basins in the city for street drainage purposes, constructed and maintained as follows:—

By the city (sewer division):—

Located in streets and subways	1,585 basins
Located in city boulevard	29 "
Located in parks (12), other city lots (12)	24 "

Total catch basins constructed and maintained by city

1,638

By Boston & Maine Railroad Company on railroad locations

31 basins

By state, located in boulevards

52 "

83

Total catch basins in the city for storm drainage purposes . 1,721

Metropolitan Sewer Connections. All of the city's ten connections with the North Metropolitan sewerage system are in good condition. No new main connections have been required.

At the Somerville-avenue-Poplar-street connection with the Metropolitan sewer, records compiled from an automatic recording clock placed in the "regulator chamber" on the combined system show this outlet to have been cut off as follows:—

Year 1911, completely closed 512 hours, partly closed 125 hours.

In previous years the following:—

Year 1910, completely closed	382 hours, partly closed	190 hours.
" 1909, " " 459	" " " 683	"
" 1908, " " 469	" " " 605	"
" 1907, " " 206	" " " 534	"
" 1906, " " 289	" " " 331	"
" 1905, " " 297	" " " 548	"
" 1904, " " 279	" " " 922	"
" 1903, " " 180	" " " 167	"
" 1902, " " 376	" " " 377	"
" 1901, " " 386	" " " 225	"
" 1900, " " 353	" " " 114	"

The city's assessment for the Metropolitan sewer system for the past year was \$42,090.54 on construction account and \$22,160.32 for maintenance, and the total amount paid the commonwealth of Massachusetts for this state sewer has been \$821,791.70 (1892-1911, both years inclusive). The total length of the Metropolitan sewerage system mains running through the city amounts to 3.368 miles.

New Work. The separate system sewers should be extended in the old sections of the city each year, as the appropriation will allow. The construction of the storm drainage system commenced in the year 1905 should be continued in the vicinity of North Somerville, where buildings and new streets are being rapidly constructed, the outlet for this district being through the city of Medford into Mystic river; and in connection therewith, the boundary line between Somerville and Medford should be changed in the vicinity of Pearson road and Boston avenue, so that this outlet, Two Penny brook, can be improved by Somerville and the covered channel extended to the Boston & Maine railroad, to conform with the work already done within the present city limits.

A large storm overflow drain has been contemplated for some time at the East Cambridge line, across private lands from Somerville avenue, discharging into the head of Miller's river; and this matter of improving the city's drainage system should be carried out without further delay.

Some agreement should be made whereby a storm drain and sewer may be constructed in the railroad valley along the location of the Southern division of the Boston & Maine railroad, between Gilman square and Cedar street, this being the natural outlet for a number of the city's streets and house lots which at the present time have either very poor or no means of drainage.

There are about six and one-half miles of old private sewers connected with the sewerage system that should be released to the city, so that they can be thoroughly repaired or re-constructed and put in a good sanitary condition, and be maintained in the future by the city.

Maintenance Account.

STATEMENT OF EXPENSES, 1911.

Maintenance of sewers, including cleaning and flushing (102.16 miles)	\$3,565 03
Maintenance of catch basins, cleaning and flushing (1,638)	7,382 52
Changing line and grade and repairing catch basins	480 21
Changing line and grade and repairing man-holes	323 28
Amount carried forward	<hr/> \$11,751 04

Amount brought forward	\$11,751 04	
Repairing old sewers	400 26	
Inspection and location of house drains	61 72	
New tools and supplies	400 78	
Repairs of tools and property	114 32	
Sundry expenses, car fares, telephone, books, etc.	131 60	
Maintenance of sewer department yards and buildings	560 50	
Work and materials furnished other depart- ments and companies	347 29	
	<hr/>	
Total debit		\$13,767 51
CREDIT.		
Appropriation	\$13,000 00	
Amounts received from other departments and companies,—labor materials fur- nished	347 29	
Received from sale of cement bags, old iron, old hose, etc.	420 67	
	<hr/>	
Total credit		\$13,767 96
		<hr/>
Balance unexpended		\$ 45
Value of tools and property on hand used in maintenance of sewers		\$705 00

A permanent force of men and teams are kept continually at work flushing, cleaning, and repairing the city's drainage system, catch basins, etc., the expense necessarily increasing yearly as lengths of sewers, drains, and catch basins are added to the system.

About 6,185 cubic yards of deposit have been removed from the catch basins and sewers during the year, at an average cost of \$1.19 per cubic yard, and the average cost per mile for cleaning and flushing the drainage system, including catch basins, has amounted to \$107.16.

Seventy-nine catch basins and fifty-eight manholes have been repaired and grade or line changed.

A number of repairs have been made on some of the old sewers, alterations made in the outlets, and overflows and extra manholes built for the purpose of improving the system.

Three hundred and forty-five permits have been issued to licensed drain layers for connecting buildings with the main sewers, fifty-four being for repairs or alterations; all of the work being done under the supervision of the city's inspector.

At the present time there are ten persons licensed as drain layers by the city and under bonds, for the purpose of laying these private drains.

There are to date about 14,643 private drain connections with the city's drainage system.

During the year the sewer department has done considerable miscellaneous work for other city departments and outside companies where alterations and new construction work

have been required, furnishing materials and labor, and being reimbursed for the same to the amount of \$347.29.

PARKS AND PLAYGROUNDS.

At the present time there are nineteen separate parcels of land located in all parts of Somerville, used for parks and playgrounds, amounting to 70.4 acres, and also a boulevard about one and one-third miles in length maintained by the city. Included in this total area are playgrounds where the land is owned by private parties and leased to the city, for use, in the following localities: On Fellsway east, 2.5 acres; Knowlton street, 1.5 acres; and the cemetery lot, .7 acre.

Four of the larger pleasure parks, namely, Central Hill, Prospect Hill, Powder House park, and Broadway park, are beautifully-laid-out spots in a thickly-settled city, and famous for what they represent historically.

At the present time there are eight baseball "diamonds" and three football fields in use and under the city's supervision, as well as numerous smaller playgrounds, on which are located an outdoor gymnasium, running tracks, tennis courts, and various kinds of athletic apparatus for recreation and rest, where children can play and enjoy themselves and are safe from the dangers of a thickly-settled city.

This area of parks and playgrounds compares favorably with other cities, Somerville being very small in area and the most densely populated city in the state, averaging about 18,500 in population to a square mile.

The larger areas have been policed by regular officers from the police department, when required, the expense being paid from the police appropriation; trees and shrubs added to the various grounds, and bulbs, plants, and flowers furnished in their seasons, and during the winter time ponds flooded for skating when the weather was favorable, and a hockey rink maintained.

Several fields have been maintained for ball playing, and are constantly in use by the many athletic teams, the games being arranged for and regularly scheduled on the various grounds throughout the season, about three hundred games being provided for by schedule the past year.

Broadway and Lincoln parks have field houses constructed of concrete, with red-tiled roofs; are heated, lighted, and equipped with toilet rooms, etc., and on several of the playgrounds similar buildings should be erected in place of some of the old wooden structures. Additional apparatus should be erected on some of the principal parks and playgrounds for the smaller children's pleasure, where a regular park employee can have the care of the same. Some of the smaller playground areas

should be enclosed by wire fencing for the protection of children.

At the westerly end of Lincoln park, a wading pool having an area of not over 3,000 square feet could be constructed, with a concrete bottom and side walls, at a small cost. This would be a source of much enjoyment to a very large number of children in the immediate vicinity, and maintained exclusively for their use.

In certain localities of the city well-lighted playgrounds, during the summer evenings, should be maintained for the young men and women working in the factories daily.

The city has become so densely populated that portions of some of the larger park areas should be utilized for public recreation and physical training purposes: Broadway park (northerly end), ball field and children's playground; Central Hill park, tennis courts and children's playground; Tufts park, children's playground, gymnastic apparatus, etc.

The Playgrounds Association has continued its good work in the city, and funds contributed by citizens and a sum of \$1,600 appropriated by the city for the special equipment of grounds and supervision of playfields during the summer months has been expended under the direction of the school committee.

Certain areas were used in the city's parks, playgrounds, and schoolyards, which had been equipped with swings, sand boxes, and various kinds of gymnastic apparatus, and instructors were employed during the months of July and August. Many children enjoyed themselves at these outdoor kindergarten schools, while the larger boys were instructed in baseball, basket ball, and other games, and in the use of gymnastic apparatus, teams being formed and athletic competitions held between the various teams.

Probably better results, in this city, could be obtained by establishing a system with a permanent director of athletics and gymnastics to have charge and instruct in every form of athletics and recreation, including all sports and games for the high schools, grammar schools, and all others using the city's playfields and buildings.

During the past year the city's lease expired whereby an area of land owned by the trustees of Tufts College has been used as an enclosed athletic field for the last ten years. The city was fortunate in obtaining, permanently, from the Metropolitan Park Commission a large tract of land, which has been named "The Somerville Field," located in the northwesterly part of the city, bordered by Powder House boulevard and Alewife brook.

About 5.5 acres have been laid out and graded for playing baseball and football, and a reinforced grand stand constructed,

with a seating capacity of about 4,500 persons, the total expenditure being as follows:—

Cost of Constructing Reinforced Concrete Grand Stand and Football and Baseball Fields.

Excavating material and constructing concrete foundations for piers below grade 12 (503 cubic yards concrete), day labor and materials	\$2,807 73	
Constructing grand stand, reinforced concrete (315 cubic yards concrete), as per agreement	4,682 50	
Constructing front seat, centre entrance, and end walls of grand stand (36 cubic yards concrete)	397 28	
Wire lathing, coloring and finishing curtain walls on rear and ends of stand	341 40	
Labor, placing girders, reinforcement for concrete, and miscellaneous work	260 75	
Lumber, 6"x12" girders and 2" plank for seats, foot rests, etc.	1,541 77	
Labor and hardware, building seats	998 53	
Building dressing-room and ticket offices, labor and materials	245 73	
Iron and steel used in reinforcement	318 80	
Painting and numbering seats	93 76	
Supervision	100 00	
<hr/>		
Total cost grand stand (including dressing-room and ticket offices)		\$11,788 25
Sod for football field and baseball "diamond" (70,000 square feet)	\$500 00	
Loam, labor, \$1,350, and teaming, \$1,569.31 (6,750 cubic yards)	2,919 31	
Sub-grading field, spreading loam, sodding, seeding, rolling, and miscellaneous work (220,000 square feet = 5.1 acres), labor, \$3,209.26, and teaming, \$414.50	3,623.76	
Grass seed and oats	117 90	
Enclosing playfield with temporary wire fence and fencing off playfield,—labor and hardware, \$406.43, lumber, \$102.54, wire meshing, \$201.49, canvas, \$84.11	794 57	
Flag poles, labor erecting, and flags	181 53	
<hr/>		
		\$8,137 07
<hr/>		
Total expenditure, 1911, new recreation field		\$19,925 32

An unusually heavy foundation had to be constructed for this grand stand, on account of the location being in the old channel of the brook, the course of which has been changed about 300 feet westerly, and adding materially to the cost of the work.

At the dedication of this new field, where teams representing the high schools of Somerville and Brockton played a football game, more than 10,000 people were within the enclosure, and at the Thanksgiving day game 12,000 people attended.

The net proceeds from the high school games, above all expenditures, for the football season of 1911 amounted to about \$2,500.

If this area is laid out and completed as designed, Somerville will have the finest recreation field owned by any city, and would include areas for baseball, football, basket ball, tennis, croquet, playfield for children, outdoor gymnasium, running track, swimming pool, and boating and skating on the brook, a concrete grand stand and field houses, equipped with shower baths, lavatories, dressing rooms, lockers, etc. In the 1910 report a plan was published showing the proposed laying-out.

An area owned by the city, and known as the Collins and Ham ledge property, located on Clarendon Hill, near the Cambridge boundary line, might be developed in the future into a pretty pleasure park, similar in nature to the Powder House park; also, the Holland-street ledge property, owned by the city, and situated in West Somerville, could be developed in the future by laying out a portion of the area for streets and house lots, and the remainder used for a children's playground.

There are a number of vacant lots in the city, owned by private parties, large enough for the purpose of establishing recreation grounds and breathing spaces, which undoubtedly could be obtained for short-term leases by payment of the taxes to the owner of the property, and be of great benefit to a large number in the congested parts of the city.

With all these various parcels of land referred to properly developed in the future as parks, playgrounds, and resting places, the city will be amply provided for in this line, and second to none in the state.

The city's assessment for Metropolitan parks and boulevards for the year 1911 amounted to \$19,300.23 on construction account, \$18,497.03 being the proportional cost for maintaining the same; in addition to this, the city's special assessment for the Charles River Basin amounted to \$13,049.66 on construction account and \$2,581.74 for maintenance; for the improvement of Alewife brook, \$901.67, and for the maintenance of Wellington bridge across Mystic river, \$813.98.

The total of the above assessments amounts to \$55,144.31, being Somerville's proportional payment to the state on account of the Metropolitan park system for the year 1911.

The total assessment paid to the state for parks and boulevards amounts to \$363,575.44 January 1, 1912, and the only length of state boulevard at present constructed in this city consists of seven-tenths of a mile of double roadway, located in the easterly part of the city, and extending between Broadway and Mystic river, and four-tenths of a mile bordering Mystic river at the West Medford line.

In the 1910 report a table was published showing the area,

year acquired, cost of land, cost of construction, present valuation, etc., of all city parks and playgrounds.

The old enclosed athletic field located on land owned by Tufts College and leased to the city for a period of ten years was abandoned by the city July 1, 1911, according to the terms of the lease. The cost of constructing this field, grading, enclosing with board fence, building wooden grand stand, dressing rooms, etc.,

Amounted to	\$5,779 95
Cost of maintenance, 1901-1911	6,733 12

Total expenditure by the city, ten years	\$12,513 07
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CREDIT.

Received from High School Athletic Association during the ten years, for use of field	\$3,370 73
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PARKS AND PLAYGROUNDS.

Maintenance Accounts.

STATEMENT OF EXPENSES, 1911.

(Playgrounds.)		(Parks.)
	Broadway Park (15.9 acres):—	
\$196 72	Maintenance of grounds, pond, and general care of property, labor and teams	\$857 22
	Trimming and spraying trees	98 55
	Drinking fountain, alterations	66 29
4 50	Tools and supplies	145 61
	Repairing tools and property	88 39
	Plants, flowers, bulbs, etc.	211 65
<hr/>		<hr/>
\$201 22		\$1,467 71
	Broadway Parkway (2.0 acres):—	
	Maintenance of grounds, labor and teams	\$242 90
	Plants, flowers, etc.	60 00
		<hr/>
		\$302 90
	Central Hill Park (13.1 acres):—	
\$41 30	Maintenance of grounds and general care of property, labor and teams	\$1,196 27
	Re-surfacing concrete walks	252 90
	Trimming and spraying trees	45 04
	Tools and supplies	136 56
	Repairing tools and property	72 05
	Plants, flowers, bulbs, shrubs, etc.	268 40
<hr/>		<hr/>
\$41 30		\$1,971 22
	Lincoln Park (8.3 acres):—	
\$669 15	Maintenance of playground and general care of property, labor and teams	\$540 80
	Repairing flag pole	44 54
12 59	Tools and supplies	81 12
86 89	Repairing property and tools	66 45
<hr/>		<hr/>
\$768 63		\$732 91

(Playgrounds.)

(Parks.)

Prospect Hill Park (2.6 acres):—

\$27 00	Maintenance of grounds and observation tower, labor and teams	\$978 73
	Tools and supplies	50 80
	Repairing tools and property	62 75

\$1,092 33

Tufts Park (4.5 acres):—

\$35 98	Maintenance of grounds and Old Powder House, labor and teams	\$651 86
	Tools and supplies	26 88
	Repairing tools and property	79 09
	Plants, flowers, bulbs, etc.	132 85

\$890 68

Paul Revere Park (.02 acre):—

	Maintenance of grounds, labor	\$26 35
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Belmont Street Park (0.4 acre):—

	Maintenance of grounds, labor and teams	\$114 81
	Repairing tools and property	7 28
	Plants, flowers, bulbs, etc.	73 20

\$195 29

Powder House Square Parkway (0.2 acre):—

	Maintenance of area between streets, labor	\$111 42
	Shrubs, etc.	8 25

\$119 67

Powder House Boulevard (11-3 miles long):—

	Maintenance of roadway, walks, and grass plots, labor and teams	\$297 50
	Trimming and spraying trees	97 70
	Improvement of roadway with "tarvia"	268 93

\$664 13

Cemetery, Somerville avenue (0.7 acre):—

	Maintenance of grounds, labor and teams	\$104 82
	Trimming and spraying trees	10 61

\$115 43

Old Athletic Field, Tufts College land (4.4 acres leased, lease expired July, 1911):—

\$309 30	Maintenance of playfield and care of property, labor and teams	\$67 41
6 00	Supplies	
112 55	Repairing property, fence, seats, etc.	

\$427 85

"Somerville Field," at Alewife Brook (11.5 acres, new 1911):—

\$561 44	Maintenance of playfield and care of property, labor and teams	\$29 72
	Trees and shrubs	53 50
109 79	Tools and supplies	50 33
35 78	Repairing tools and property	15 50
191 56	Temporary fencing and dressing room	176 29
243 25	Dedication of new field, band, printing, labor, etc.	

\$1,141 82

\$325 34

(Playgrounds.)		(Parks.)
	Playground, Cedar street and Broadway (4.3 acres):—	
\$338 65	Maintenance of playfield, labor and teams .	\$23 35
	Shrubs, etc.	41 25
51 09	Gymnastic apparatus, swings, etc.	
<hr/> \$389 74		<hr/> \$64 60
	Playground, Glen street and Oliver street (0.9 acre + 1.5 acres leased):—	
\$126 91	Maintenance of playfield, labor and teams .	\$27 00
12 80	Supplies and repairs	4 79
<hr/> \$139 71		<hr/> \$31 79
	Playground, Kent street and Somerville avenue (0.8 acre):—	
\$64 37	Maintenance of playfield, labor and teams .	\$29 67
16 00	Swings, basket ball, etc.	
<hr/> \$80 37		
	Playground, Beacon street, near Washington street (0.2 acre):—	
\$26 75	Maintenance of grounds, labor and teams .	\$17 80
	Repairing fence	59 52
		<hr/> \$77 32
	Playground, Webster avenue, near Cambridge line (0.2 acre):—	
\$20 75	Maintenance of grounds, labor	
	Playground, Poplar street and Joy street (0.5 acre):—	
\$22 76	Maintenance of grounds, labor	
	Playground, Mason street and Broadway (0.3 acre):—	
\$22 50	Maintenance of grounds, labor	
	Playgrounds, Fellsway East (2.5 acres, leased):—	
\$46 35	Maintenance of playfield, labor	
7 90	Supplies	
<hr/> \$54 25		
	Total expenditure, maintenance (70.4 acres) 65.7 acres city property + 4.4 acres leased land, 0.7 acre cemetery and 1.36 miles boulevard, and 0.54 mile parkway, roads	
<hr/> \$3,400 63		<hr/> \$8,174 75

Playgrounds
and
Recreation.

CREDIT.

Parks.

Appropriation for parks . \$7,900 00
Received from other de-
partments, labor, etc. . 275 00

\$8,175 00

\$3,000 00 Appropriation for playgrounds
400 79 Received, partial receipts from
"Somerville Field"

\$3,400 79

\$0 16

Balance unexpended . . .
(Expenditure, 1911, under direction of school
committee, for summer playgrounds, city ap-
propriation, \$1,600.00.)

\$0 25

Appended Table.

Annexed to this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; in the 1910 report tables were given showing old names of certain streets as formerly known, and names of public squares in the city.

Respectfully submitted,

ERNEST W. BAILEY,
City Engineer.

**TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.**

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Abdell	Somerville ave. .	Southwesterly . .	Private.	25	....	203
Aberdeen road . .	Cedar st.	Highland ave. . .	Private.	40	....	411
Aberdeen road ext.	Angle	Westerly	Private.	30	...	67
Acadia pk.	Somerville ave. .	Northeasterly . .	Private.	40	....	256
Adams	Broadway	Medford st. . . .	Public.	40	907	....
Addison pl. . . .	Somerville ave. .	Southwesterly . .	Private.	20	....	150
Adelaide rd. . . .	Somerville ave. .	Easterly	Private.	20	....	138
Adrian	Marion st.	Joseph st.	Public.	40	579	....
Albion pl.	Albion st.	Northeasterly . .	Private.	10	....	166
Albion ct.	Albion st.	Southwesterly . .	Private.	16	....	116
Albion	Central st.	Cedar st.	Public.	40	2,742	....
Albion	Broadway	Medford line . . .	Private.	50	...	100
Albion ter.	Albion st.	Southwesterly . .	Private.	25	....	100
Aldersey	Walnut st.	Vinal ave.	Public.	40	508	....
Aldrich	Pearl st.	B. & L. R. R. . .	Public.	40	611	....
Alfred	Broadway	Medford line . . .	Private.	50	....	50
Allen	Somerville ave. .	Charlestown st. .	Private.	25	....	680
Allen ct.	Park st.	Northwesterly . .	Private.	20	....	150
Alpine	Cedar st.	Southeasterly . .	Public.	30	667	....
Alpine	Alpine st.	Lowell st.	Public.	40	688	....
Alston	Cross st.	Shawmut pl. . . .	Public.	40	567	....
Ames	Bartlett st. . . .	Robinson st. . . .	Public.	40	580	....
Appleton	Willow ave. . . .	Clifton st.	Public.	40	548	....
Appleton	Clifton st.	Liberty ave. . . .	Public.	40	120	....
Arlington	Franklin st. . . .	Lincoln st.	Public.	40	452	....
Arnold ave.	Porter st.	Southeasterly . .	Private.	15	....	127
Arnold ct.	Beacon st.	Northeasterly . .	Private.	10	....	115
Arthur ct.	Linden st.	Easterly	Private.	about 10	....	100
Arthur	Broadway	Bonair st.	Public.	40	438	....
Ash ave.	Meacham st. . . .	East Albion st. . .	Public.	40	534	....
Ash ave.	East Albion st. .	Northeasterly . .	Private.	40	....	151
Ashland	Summer st.	Sartwell ave. . . .	Public.	30	478	....
Atherton	Central st.	Spring st.	Public.	40	741	....
Auburn ave.	Cross st.	B. & L. R. R. . .	Private.	30	....	600
Austin	Broadway	Mystic ave.	Public.	40	716	....
Autumn	Broadway	Bonair st.	Public.	20	408	....
Avon	School st.	Central st.	Public.	40	1,360	....
Avon pl.	Cross st.	B. & L. R. R. . .	Private.	25	....	150
Bailey	North st.	West Adams st. . .	Private.	40	....	420
Banks	Elm st.	Summer st.	Public.	40	639	....
Bartlett	Vernon st.	Broadway	Public.	40	1,550	....
Bartlett	Washington st. . .	Southerly	Private.	20	...	200
Barton	Broadway	Russell road. . . .	Private.	40	....	382
Bay State ave. . . .	Broadway	Fosket st.	Public.	40	1,237	....
Beach ave.	Webster ave. . . .	Columbia st. . . .	Private.	about 20	....	200
Beacon pl.	Beacon st.	Northeasterly . .	Private.	15	...	200
Beacon	Cambridge line . .	Somerville ave. . .	Public.	66	6,607	....
Beacon ter.	Somerville ave. .	Northeasterly . .	Private.	24	....	110
Bean's ct.	Cutter st.	Southeasterly . .	Private.	16	....	100
Beckwith circle . .	Beacon st.	Southwesterly . .	Private.	20	....	120
Bedford	South st.	Cambridge line . .	Public.	30	165	....
Beech	Somerville ave. .	Atherton st.	Public.	40	323	....
Bellevue ter. . . .	Albion st.	Northeasterly . .	Private.	20	....	90
Belknap	Broadway	Russell road. . . .	Private.	40	....	449
Belmont	Somerville ave. .	Highland ave. . . .	Public.	40	2,192	....
Belmont pl.	Belmont st.	Southeasterly . .	Private.	25	....	175
Belmont sq.	Belmont st.	Southeasterly . .	Private.	30	....	75
Belmont sq.	Belmont ter. . . .	No'es'ly & so'ws'ly	Private.	20	....	145
Belmont ter.	Belmont st.	Easterly	Private.	15	....	137
Benedict ave. . . .	Broadway	Benedict st.	Private.	20	....	200
Benedict	Union st.	Austin st.	Public.	40	585	....
Bennett ct.	Bennett st.	Prospect st. . . .	Private.	10	....	100
Bennett	Prospect st. . . .	Bennett ct.	Private.	40 to 25	....	400
Benton road	Summer st.	Hudson st.	Public.	40	1,208	....
Berkeley	School st.	Central st.	Public.	40	1,360	....
Berwick	Hinckley st. . . .	Northwesterly . .	Private.	20	....	170
Bigelow	Boston st.	Munroe st.	Public.	50	208	....
Billingham	Broadway	William st.	Public.	40	563	....
Bishop's pl.	Glen st.	Easterly	Private.	10	....	75

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Blakeley ave. . . .	Fellsway east . .	Cross st.	Private.	40	....	630
Bleachery ct. . . .	Somerville ave. . .	Fitchburg R. R. . .	Private.	30	....	450
Bolton	Oak st.	Houghton st. . . .	Public.	40	476	....
Bonair	Cross st.	Walnut st.	Public.	40	1,535	....
Bond	Broadway	Jaques st.	Public.	40	655	....
Bonner ave.	Washington st. . .	Columbus ave. . . .	Public.	40	376	....
Boston ave.	Medford line . . .	Mystic river	Public.	60	915	....
Boston ave.	Broadway	Medford line	Public.	50	80	....
Boston ave.	Broadway	Highland road . . .	Public.	65	287	....
Boston ave.	Highland road . . .	Prichard ave. . . .	Public.	50	509	....
Boston ave.	Prichard ave. . . .	Easterly to angle in st.	Private.	50	....	146
Boston ave.	Angle in st. south'y	Morrison ave. . . .	Private.	40	....	1,025
Boston	Washington st. . .	Prospect Hill ave. .	Public.	45	640	....
Boston	Prospect Hill av. .	Walnut st.	Public.	40	1,242	....
Bow	Union sq.	Wesley sq.	Public.	60	658	....
Bow	Wesley sq.	Somerville ave. . .	Public.	50	570	....
Bowdoin	Washington st. . .	Lincoln park	Public.	40	341	....
Bowers ave.	Cottage ave. . . .	Elm st.	Private.	24	....	288
Bow St. pl.	Bow st.	Northwesterly . . .	Private.	40	....	300
Bradford ave. . . .	School st.	Southeasterly . . .	Private.	40	....	150
Bradley	Pearl st.	Walter st.	Public.	40	762	....
Brastow ave.	Lowell st.	Porter st.	Public.	40	686	....
Bristol road	Broadway	Medford line	Private.	40	....	98
Broadway	Charlestown line .	Cross st.	Public.	100	2,590	....
Broadway	Cross st.	Marshall st.	Public.	100 to 200	2,060	....
Broadway	Marshall st. . . .	Main st.	Public.	100	1,570	....
Broadway	Main st.	Top of hill	Public.	100 to 90	1,030	....
Broadway	Top of hill	Albion st.	Public.	90	2,540	....
Broadway	Albion st.	Willow ave.	Public.	90 to 70	1,030	....
Broadway	Willow ave.	Paulina st.	Public.	70	3,250	....
Broadway	Paulina st.	Arlington line . . .	Public.	65-60-65	3,220	....
Broadway pl.	Broadway	Southwesterly . . .	Private.	22	....	250
Bromfield road . . .	Warner st.	Dearborn road . . .	Public.	40	1,262	....
Brook	Glen st.	Cross st.	Public.	40	504	....
Browning road . . .	Sycamore st. . . .	Central st.	Public.	40	679	....
Buckingham	Beacon st.	Dimick st.	Public.	40	292	....
Buena Vista rd. . .	Holland st.	Arlington Br. R.R. .	Private.	30	....	275
*Burnham	Broadway	Powder House Blvd. .	Private.	40	....	537
Burnside ave. . . .	Elm st.	Summer st.	Public.	40	720	....
Cady av.	Simpson ave. . . .	Northwesterly . . .	Private.	40	....	194
Caldwell ave. . . .	Washington st. . .	Southerly	Private.	20	....	210
Calvin	Beacon st.	Dimick st.	Public.	40	263	....
Calvin	Dimick st.	Washington st. . .	Public.	30	392	....
Cambria	Central st.	Benton road	Public.	40	488	....
Cameron ave. . . .	Holland st.	Cambridge line . . .	Public.	60	1,065	....
Campbell pk.	Meacham rd. . . .	Kingston st.	Public.	40	399	....
Campbell Pk. pl. . .	Kingston st. . . .	Arlington Br. R.R. .	Private.	20	....	84
Carlton	Somerville ave. . .	Lake st.	Public.	40	300	....
Carver	Porter st.	Northwesterly . . .	Private.	40	....	156
Cedar ave.	Cedar st.	Linden ave.	Private.	22	....	290
Cedar ct.	Cedar st.	Southeasterly . . .	Private.	15+	....	70+
Cedar St. pl.	Murdock st. . . .	Southwesterly . . .	Private.	20	....	220
Cedar St. pl.	Cedar n'r Elm st. .	Southeasterly . . .	Private.	12+	....	80+
Cedar	Elm st.	Broadway	Public.	40	4,137	....
Central	Somerville ave. . .	Summer st.	Public.	33	1,043	....
Central	Summer st.	Medford st.	Public.	40	2,539	....
Central	Medford st.	Broadway	Public.	45	1,079	....
Centre	Albion st.	B. & L. R. R. . . .	Private.	35	....	200
Chandler	Park ave.	Broadway	Public.	40	1,232	....
Chapel	College ave. . . .	Chandler st.	Public.	40	273	....
Chapel ct.	Sycamore st. . . .	Northwesterly . . .	Private.	12	....	130
Charles	Washington st. . .	Southerly	Public.	30	166	....
Charlestown	Allen st.	Easterly	Private.	15	....	400
Charnwood road . .	Willow ave.	Hancock st.	Public.	40	589	....
*Chelsea	Mystic ave.	Melrose st.	Private.	50	....	1,390

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Cherry . . .	Elm st. . . .	Highland ave. . .	Public.	45	1,450	....
Chester . . .	Elm st. . . .	Cambridge line . .	Public.	40	885	....
Chester ave. . .	Medford st. . . .	Angle	Public.	about 22	220	....
Chester ave. . .	Angle	Cross st.	Private.	20	....	445
Chester pl. . .	Chester st. . . .	Northwesterly . .	Private.	40	....	200
Chestnut . . .	Poplar st. . . .	Southeasterly . .	Public.	40	537	....
Chetwynd road .	Curtis st. . . .	Proposed st. . . .	Private.	40	....	656
Church	Summer st. . . .	Lake st.	Public.	40	964	....
City road . . .	Broadway	Cedar st.	Private.	45	....	980
Claremon . . .	Holland st. . . .	Mead st.	Public.	40	560	....
Clarendon ave. .	Broadway	Cambridge line . .	Public.	40	1,217	....
Clark	Newton st. . . .	Lincoln parkway .	Private.	35	....	545
Cleveland . . .	Central st. . . .	Harvard st. . . .	Public.	40	459	....
Clifton	Appleton st. . . .	Morrison ave. . . .	Public.	40	200	....
Clifton	Morrison ave. . .	Arlington Br. R.R.	Private.	40	....	220
Clyde	Cedar st.	Murdock st. . . .	Private.	30	....	600
College ave. . .	Davis sq.	Medford line . . .	Public.	60	4,080	....
Columbia	Webster ave. . . .	Cambridge line . .	Public.	40	816	....
Columbia ct. . .	Columbia st. . . .	Webster ave. . . .	Private.	9	....	150
Columbus ave. .	Washington st. .	Walnut st.	Public.	40	1,425	....
Concord ave. . .	Prospect st. . . .	Wyatt st.	Public.	40	1,483	....
Concord ave. . .	Wyatt st.	Beacon st.	Public.	30	472	....
Congress pl. . .	Linwood st. . . .	Somerville ave. . .	Public.	50	202	....
Conlon ct. . . .	Columbia st. . . .	Easterly	Private.	20	....	200
Conwell ave. . .	Curtis st.	North st.	Public.	40	1,346	....
Conwell	Highland ave. . .	Southwesterly . .	Public.	35	363	....
Cooney	Beacon st.	Line st.	Private.	30	....	220
Corinthian road	Broadway	Cady ave.	Private.	40	....	640
Cottage ave. . .	Russell st. . . .	Chester st.	Public.	40	550	....
Cottage circle .	Cottage ave. . . .	Southwesterly . .	Private.	25	....	87
Cottage pl. . . .	Washington st. .	Northwesterly . .	Private.	about 11	....	150
Craigie	Somerville ave. .	Summer st.	Public.	50	1,280	....
Craigie ter. . .	16 Craigie st. . .	Westerly	Private.	25	....	126
Crescent	Washington st. .	Pearl st.	Private.	30 to 38	....	650
Crocker	Highland ave. . .	Crown st.	Public.	40	528	....
Cross	Medford st. . . .	Broadway	Public.	45	2,680	....
Cross	Broadway	Mystic ave.	Public.	40	1,100	....
Cross St. pl. . .	Cross st.	Northwesterly . .	Private.	24	....	150
Crown	Porter st.	Lowell st.	Private.	30	....	700
Curtis ave. . . .	Curtis st.	Proposed st. . . .	Private.	40	....	654
Curtis	Broadway	Medford line . . .	Public.	40	2,357	....
Cutler	Hinckley st. . . .	Northwesterly . .	Private.	20	....	170
Cutter ave. . . .	Summer st. . . .	Highland ave. . .	Public.	40	480	....
Cutter pk. . . .	Cutter ave. . . .	Northwesterly . .	Private.	12	....	83
Cutter	Broadway	Webster st.	Public.	40	730	....
Cypress	Central st. . . .	Beech st.	Public.	40	262	....
Dana	Bonair st.	Pearl st.	Public.	40	696	....
Dane	Somerville ave. .	Washington st. . .	Public.	40	1,341	....
Dane ave.	Dane st.	Leland st.	Public.	30	569	....
Dante terrace . .	Craigie st.	Westerly	Private.	25	....	125
Dartmouth . . .	Medford st. . . .	Broadway	Public.	40	1,465	....
Day	Elm st.	Cambridge line . .	Public.	40	908	....
Dearborn road .	Boston ave. . . .	College ave. . . .	Public.	50	469	....
Delaware	Aldrich st. . . .	Pearl st.	Public.	40	451	....
Dell	Glen st.	Tufts st.	Public.	40	466	....
Derby	Temple st. . . .	Grant st.	Public.	40	831	....
Derby	Grant st.	Wheatland st. . .	Private.	40	....	200
Dexter	Broadway	Medford line . . .	Private.	50	....	25
Dickinson	Springfield st. .	Beacon st.	Public.	40	770	....
Dickson	Broadway	Fairmount ave. . .	Private.	40	....	271
Dimick	Concord ave. . . .	Calvin st.	Public.	40	957	....
Dix pl.	Linwood st. . . .	Southwesterly . .	Private.	10	....	100
Dover	Elm st.	Cambridge line . .	Public.	40	975	....
Dow	PowderHouseBd .	Ware st.	Private.	40	....	257
Downer pl. . . .	Downer st. . . .	B. & L. R. R. . .	Private.	20	....	125
Downer	Nashua st. . . .	Southeasterly . .	Private.	20	....	120

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Dresden circle	Cutter ave. . . .	Westerly	Private.	30	...	133
Durham	Beacon st. . . .	Hanson st. . . .	Public.	40	423	...
Dynamo	Willow ave. . . .	Whipple st. . . .	Private.	30	...	255
Earle	South st. . . .	Fitchburg R. R. . .	Private.	30	...	322
East Albion	Mt. Vernon ave. . .	E. of Moreland st. .	Private.	25	...	188
East Albion	E. of Moreland st. .	Medford line. . . .	Private.	40	...	490
Eastman road. . . .	Highland ave. . . .	Southwesterly . . .	Public.	40	296	...
*Edgeworth	Mystic ave. . . .	Melrose st. . . .	Private.	50	...	1380
Edmands	Broadway	near Bonair st. . .	Public.	40	376	...
Edmonton ave. . . .	Cross st. . . .	Fellsway east . . .	Private.	40	...	630
Electric ave. . . .	Mason st. . . .	Packard ave. . . .	Private.	40	...	632
Electric ave. . . .	Packard ave. . . .	Curtis st. . . .	Public.	40	681	...
Eliot	Vine st. . . .	Park st. . . .	Public.	40	291	...
Ellington road	Highland ave. . . .	Northeasterly . . .	Private.	35	...	120
Ellington road	West st. . . .	Northwesterly . . .	Private.	30	...	405
Ellsworth	Cross st. . . .	Rush st. . . .	Public.	40	230	...
Elm ct. . . .	Villa ave. . . .	Northwesterly . . .	Private.	18	...	70
Elm pl. . . .	Harvard st. . . .	Westerly	Private.	30	...	190
Elm	Somerville ave. . .	Cherry st. . . .	Public.	63	1,672	...
Elm	Cherry st. . . .	White st. . . .	Public.	63 to 60	330	...
Elm	White st. . . .	Banks st. . . .	Public.	60	660	...
Elm	Banks st. . . .	Beech st. . . .	Public.	60 to 77.5	290	...
Elm	Beech st. . . .	Tenney st. . . .	Public.	77.5 to 60	570	...
Elm	Tenney st. . . .	Davis sq. . . .	Public.	60	1,429	...
Elmwood	Holland st. . . .	Cambridge line . .	Public.	40	1,057	...
Elmwood ter. . . .	Elmwood st. . . .	Easterly	Private.	20	...	190
Elston	Elm st. . . .	Summer st. . . .	Public.	40	396	...
Emerson	Everett st. . . .	Newton st. . . .	Private.	30	...	170
Emery	Fitchburg R. R. . .	South st. . . .	Private.	30	...	335
Endicott ave. . . .	Broadway	Woodstock st.(Ext'n)	Private.	40	...	800
Essex	Medford st. . . .	Richdale ave. . . .	Public.	40	232	...
Eustis	Beacon st. . . .	Cambridge line . .	Private.	30	...	150
Everett ave. . . .	Cross st. . . .	Dana st. . . .	Public.	40	845	...
Everett	Webster ave. . . .	Newton st. . . .	Private.	30	...	350
Evergreen ave. . . .	Marshall st. . . .	Sycamore st. . . .	Public.	40	1,320	...
Evergreen sq. . . .	Porter st. . . .	Southeasterly . . .	Private.	8	...	200
Exchange pl. . . .	Washington st. . .	Southerly	Private.	4.5	...	70
Fairlee	Cherry st. . . .	Northwesterly . . .	Public.	30	144	...
Fairmount ave. . . .	Curtis st. . . .	Northwesterly . . .	Public.	40	679	...
Fairview ter. . . .	Sycamore st. . . .	Southwesterly . . .	Private.	15	...	173
Farragut ave. . . .	Broadway	Woodstock st.(Ext'n)	Public.	40	905	...
†Fellsway	Mystic ave. . . .	Mystic river	Public.	70 to 130	2,500	...
†Fellsway east (Winthrop ave.)	Broadway	Mystic ave. . . .	Public.	50	1,222	...
†Fellsway west (Chauncey ave.)	Broadway	Mystic ave. . . .	Public.	50	1,324	...
Fenwick	Broadway	Jaques st. . . .	Public.	40	601	...
Fisk ave. . . .	Hinckley st. . . .	Lowell st. . . .	Private.	20 and 25	...	460
Fitchburg ct. . . .	Fitchburg st. . . .	Southeasterly . . .	Private.	10	...	225
Fitchburg	Linwood st. . . .	B. & L. R. R. . .	Private.	40	...	400
Flint ave. . . .	Flint st. . . .	Northerly	Private.	40	...	200
Flint	Franklin st. . . .	Aldrich st. . . .	Public.	40	1,790	...
Florence	Washington st. . .	Perkins st. . . .	Public.	40	1,304	...
Florence ter. . . .	Jaques st. . . .	Southwesterly . . .	Private.	20	...	90
Forest	Beacon st. . . .	Cambridge line . .	Public.	40	117	...
Forster	Sycamore st. . . .	Central st. . . .	Private.	30	...	430
Fosket	Willow ave. . . .	Liberty ave. . . .	Public.	40	668	...
Fountain ave. . . .	Cross st. . . .	Glen st. . . .	Public.	30	578	...
Francesca ave. . . .	College ave. . . .	Liberty ave. . . .	Public.	40	762	...
Francis	Porter st. . . .	Conwell st. . . .	Public.	30	180	...
Franklin ave. . . .	Washington st. . .	Franklin st. . . .	Public.	20	575	...
Franklin pl. . . .	Franklin st. . . .	Southeasterly . . .	Private.	15	...	100
Franklin	Broadway	Washington st . .	Public.	40+	2,316	...
Frederick ave. . . .	Willow ave. . . .	Boston ave. . . .	Private.	40	...	1,217

* Proposed.

† Metropolitan Park Commission Boulevard.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Fremont ave. . . .	Bowdoin st. . . .	Lincoln pk. . . .	Public.	30	232	....
Fremont	Main st. . . .	Near E. Albion st.	Public.	40	1,112	....
Fremont	Near E. Albion st.	Mystic ave. . . .	Private.	40	....	335
Garden ct. . . .	Somerville ave. .	Fitchburg R. R. .	Private.	25	....	370
Garfield ave. . . .	Broadway	Middlesex ave. . .	Private.	40	....	1,430
Garrison ave. . . .	Broadway	Land of City of Camb.	Public.	40	460	....
Garrison ave. . . .	Land City of Camb.	Woodstock st.(Ext'n)	Private.	40	....	390
George	Broadway	Lincoln ave. . . .	Public.	30	275	....
Gibbens	Central st. . . .	Benton road	Public.	40	492	....
Gibbens	Benton rd. . . .	Northwesterly . . .	Private.	40	....	133
Giles pk. . . .	Walnut st. . . .	Northwesterly . . .	Public.	32.71	167	....
Gill's ct. . . .	Franklin st. . . .	Westerly	Private.	10	....	100
Gilman	Cross st. . . .	Walnut st. . . .	Public.	40	1,430	....
Gilman ter. . . .	Pearl st. . . .	Northeasterly . . .	Public.	40	360	....
Gilson ter. . . .	Linden ave. . . .	Northwesterly . . .	Private.	20	....	124
Glen	Broadway	Tufts st. . . .	Public.	40	2,373	....
Glendale ave. . . .	Cameron ave. . . .	Yorktown st. . . .	Public.	40	410	....
Glenwood road . . .	Vernon st. . . .	Broadway	Public.	40	1,524	....
Glover circle	Meacham road . . .	Southeasterly . . .	Private.	20	....	110
Gorham	Holland st. . . .	Howard st. . . .	Public.	40	763	....
Gould ave. . . .	Porter st. . . .	Southeasterly . . .	Private.	16	....	156
Gove ct. . . .	Cedar st. . . .	Southeasterly . . .	Private.	15	....	145
Grand View ave. . .	Walnut st. . . .	Vinal ave. . . .	Public.	40	542	....
Granite	Somerville ave. .	Osgood st. . . .	Public.	40	411	....
Grant	Broadway	Mystic ave. . . .	Public.	40	1,405	....
Greene	Summer st. . . .	Laurel st. . . .	Public.	40	555	....
Greenville	Medford st. . . .	Munroe st. . . .	Public.	40	660	....
Greenville ter. . . .	Greenville st. . . .	Northerly	Private.	20	....	250
Greenwood ter. . . .	Beacon st. . . .	Northeasterly . . .	Private.	25	....	165
Grove	Elm st. . . .	Morrison ave. . . .	Public.	40	996	....
Hadley ct. . . .	Franklin st. . . .	Westerly	Private.	20	....	150
Hall ave. . . .	College ave. . . .	Liberty ave. . . .	Public.	40	926	....
Hall	Cedar st. . . .	Cherry st. . . .	Public.	30	456	....
Hamlet	Highland ave. . . .	Boston st. . . .	Public.	30	616	....
Hammond	Dickinson st. . . .	Concord ave. . . .	Public.	40	267	....
Hancock	Elm st. . . .	Highland ave. . . .	Public.	40	1 349	....
Hancock	Highland ave. . . .	Lexington ave. . . .	Public.	50	376	....
Hanson ave. . . .	Hanson st. . . .	Easterly	Private.	30	....	252
Hanson	Washington st. . .	Skehan st. . . .	Public.	30	469	....
Hanson	Skehan st. . . .	Vine st. . . .	Public.	35	347	....
Hardan road	Powder House Bd.	Ware st. . . .	Private.	20 and 40	....	283
Harding	South st. . . .	Cambridge line . .	Private.	30	....	115
Harold	Dimick st. . . .	Marion st. . . .	Private.	40	....	317
Harrison	Ivaloo st. . . .	Kent st. . . .	Public.	40	644	....
Harrison	Elmwood st. . . .	Southeasterly . . .	Private.	40	....	210
Harvard pl. . . .	Harvard st. . . .	Westerly	Private.	35	....	200
Harvard	Summer st. . . .	Beech st. . . .	Public.	40	717	....
Hathorn	Broadway	Arlington st. . . .	Public.	40	339	....
Hawkins	Somerville ave. . .	Washington st. . . .	Public.	40	330	....
Hawthorne	Willow ave. . . .	Cutter ave. . . .	Public.	30	807	....
Hayden ter. . . .	Linden ave. . . .	Easterly	Private.	20	....	120
Heath	Temple st. . . .	Bond st. . . .	Public.	45	1,043	....
Heath	Bond st. . . .	Mt. Vernon ave. . .	Private.	40	....	386
Heath	Mt. Vernon ave. . .	Moreland st. . . .	Public.	40	364	....
Henderson	Richardson st. . . .	B. & L. R. R. . .	Private.	20	....	535
Hennessy ct. . . .	Medford st. . . .	Fisk ave. . . .	Private.	20	....	250
Henrietta ct. . . .	Somerville ave. . .	Northerly	Private.	8 and 20.	....	161
Henry ave. . . .	Highland ave. . . .	Lexington ave. . . .	Public.	40	290	....
Herbert	Chester st. . . .	Day st. . . .	Public.	40	337	....
Hersey	Berkeley st. . . .	Oxford st. . . .	Private.	40	....	230
Highland ave. . . .	Medford st. . . .	Davis sq. . . .	Public.	60	9,135	....
Highland p'th, east	Morrison ave. . . .	Arlington Br. R. R.	Private.	10	....	107
Highland p'th, west	Morrison ave. . . .	Arlington Br. R. R.	Private.	10	....	108
*Highland road . . .	Morrison ave. . . .	Boston ave. . . .	Public.	30 (70 wide)	1,499	....

*Roadway (only) accepted 30 feet wide, full width of street 70 feet.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Hill	Broadway	Fairmount ave. . .	Public.	40	234	....
Hillside ave. . . .	Pearl st.	Southwesterly . . .	Private.	30	....	150
Hillside cir. . . .	Craigie st.	Westerly	Private.	16	....	151
Hillside pk.	Walnut st.	Northwesterly . . .	Public.	40	196	....
Hillside rd.	Conwell ave. . . .	Sunset rd.	Private.	40	....	632
Hinckley	Broadway	B. & L. R. R. . . .	Public.	30 and 35	1,081	....
Hodgdon pl.	Dane ave.	Northeasterly . . .	Private.	about 20	....	150
Holland	Davis sq.	Broadway	Public.	60	2,696	....
Holt's ave.	Oak st.	Southeasterly . . .	Private.	10	....	100
Holyoke road. . . .	Elm st.	Elm st.	Public.	40	637	....
Homer sq.	Bonner ave.	Northwesterly . . .	Public.	30+	200	....
Horace	South st.	Fitchburg R. R. . .	Private.	30	....	510
Houghton	Springfield st. . .	Cambridge line. . .	Public.	40	653	....
Howard	Thorndike st. . . .	Gorham street . . .	Public.	40	431	....
Howe	Marshall st.	School st.	Public.	40	445	....
Hudson.	Central st.	Cedar st.	Public.	40	2,760	....
Hunting	South st.	Cambridge line . .	Private.	30	....	125
Ibbetson	Somerville ave. . .	Lowell st.	Public.	40	802	....
Irving	Holland st.	Broadway	Public.	40	1,180	....
Ivaloo	Beacon st.	Park st.	Public.	40	685	....
James	Pearl st.	Veazie st.	Public.	40	320	....
Jaques	Fellsway west . . .	Temple st.	Public.	40	1,182	....
Jaques	Temple st.	Bond st.	Public.	45	1,005	....
Jasper pl.	Walnut st.	Easterly	Private.	20	....	80
Jasper	Pearl st.	Gilman st.	Public.	40	283	....
Jay	Holland st.	Howard st.	Public.	40	534	....
Jerome ct.	Sycamore st.	Jerome st.	Private.	10	... 150	....
Jerome	Montrose st.	Jerome ct.	Private.	20	....	125
Jerome	Lawrence rd. . . .	Mystic Valley Park'y	Private.	40	....	495
Joseph	Newton st.	Lincoln parkway . .	Public.	40	458	....
Josephine ave. . . .	Morrison ave. . . .	Broadway	Public.	45	1,718	....
Joy	Washington st. . .	Poplar st.	Public.	30	1,121	....
Joy St. pl.	Joy st.	Southwesterly . . .	Private.	30	....	175
Kenneson road	Broadway	Walnut road	Private.	30	....	338
Kensington ave. . . .	Broadway	Blakeley ave. . . .	Public.	40	455	....
*Kensington ave. . . .	Blakeley ave. . . .	Middlesex ave. . . .	Private.	40	....	1,150
Kent ct.	Kent st.	Northerly	Private.	about 25	....	420
Kent	Somerville ave. . .	Fitchburg R. R. . .	Public.	40	292	....
Kent	Fitchburg R. R. . .	Beacon st.	Public.	25	386	....
Kenwood	College ave.	Billingham st. . . .	Public.	40	322	....
Kidder ave.	College ave.	Willow ave.	Public.	40	1,329	....
Kilby	Somerville ave. . .	Southwesterly . . .	Private.	20	....	180
Kimball	Lowell st.	Craigie st.	Private.	40	....	303
Kingman road.	Washington st. . .	Fitchburg R. R. . .	Private.	25	....	400
Kingston	Meacham road . . .	Cambridge line. . .	Public.	40	647	....
Knapp	School st.	Granite st.	Public.	40	379	....
Knowlton	Tufts st.	N'E'y line Est. 37	Public.	40	461	....
Knowlton	End of above . . .	Oliver st.	Private.	40	....	464
Lake	Hawkins st.	Church st.	Public.	40	840	....
Lamson ct.	Linwood st.	Poplar st.	Private.	20	....	370
Landers	School st.	Westerly	Private.	40	....	280
Langmaid ave.	Broadway	Heath st.	Public.	30	353	....
Latin Way	Talbot ave.	Professors row . . .	Private.	60	....	250
Laurel ave.	Laurel st.	Northwesterly . . .	Private.	18	....	125
Laurel	Somerville ave. . .	Summer st.	Public.	40	983	....
Lawrence road	Medford line	Mystic Valley Park'y	Private.	40	....	585
Lawson ter.	Putnam st.	Easterly	Private.	5	....	200
Lee	Medford st.	Richdale ave. . . .	Public.	40	385	....
Leland	Washington st. . .	Dane ave.	Public.	40	359	....
Leon	Concord ave.	Dickinson st. . . .	Public.	40	155	....
Leonard pl.	Joy st.	Northeasterly . . .	Private.	13+	....	98
Leonard st.	Broadway	Powder House Blvd.	Private.	40	....	445
Lesley ave.	Highland ave. . . .	Lexington ave. . . .	Public.	40	333	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets.— Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Leslie pl. . . .	Highland ave. .	Northerly . . .	Private.	12	....	75
Lester ter. . . .	Meacham road .	Northwesterly .	Private.	20	....	190
Lexington ave. .	Willow ave. . .	Hancock st. . .	Public.	50	624	....
Lexington ave. .	Hancock st. . .	Angle	Public.	45 to 40	147	....
Lexington ave. .	Angle	Cedar st. . . .	Public.	40	578	....
Liberty ave. . .	Broadway . . .	Hall ave. . . .	Public.	40	1,395	....
Liberty ave. . .	Hall ave. . . .	Appleton st. . .	Public.	40	98	....
Liberty rd. . . .	Morrison ave. .	Liberty ave. . .	Private.	16	....	200
Lincoln ave. . .	Lincoln st. . .	Mt. Vernon st. .	Public.	30	478	....
Lincoln parkway .	Washington st. .	Perry st. . . .	Public.	40	1,520	....
Lincoln pl. . . .	Lincoln ave. . .	Northerly . . .	Private.	9	....	120
Lincoln	Broadway . . .	Perkins st. . . .	Public.	40	550	....
Linden ave. . . .	Elm st.	Summer st. . . .	Public.	45	1,083	....
Linden ave. . . .	Summer st. . . .	Northeasterly .	Private.	45	....	250
Linden circle . .	Linden ave. . .	Southeasterly .	Private.	24	....	120
Linden pl. . . .	Linden ave. . .	Northwesterly .	Private.	20	....	160
Linden	Somerville ave. .	Charlestown st. .	Public.	33	587	....
Line	Washington st. .	Cambridge line .	Public.	33	1,727	....
Linehan ct. . . .	Linwood st. . .	Chestnut st. . .	Private.	about 15	....	200
Linwood pl. . . .	Linwood st. . .	Southwesterly .	Private.	about 12	....	150
Linwood	Somerville ave. .	Washington st. .	Public.	50	2,114	....
London	Linwood st. . .	B. & L. R. R. . .	Private.	40	....	340
Loring	Somerville ave. .	Osgood st. . . .	Public.	40	413	....
Louisburg pl. . .	Autumn st. . . .	Easterly	Private.	13	....	90
Lovell	Broadway . . .	Electric ave. . .	Public.	40	385	....
Lowden ave. . . .	Broadway . . .	Fosket st. . . .	Public.	40	1,247	....
Lowell	Somerville ave. .	Summer st. . . .	Public.	36	1,259	....
Lowell	Summer st. . . .	Medford st. . . .	Public.	40	3,472	....
Lowell circle . .	Lowell st. . . .	Westerly	Private.	11 and 27.5	....	143
Lowell ter. . . .	Lowell st. . . .	Northwesterly .	Private.	20	....	150
Madison	School st. . . .	Sycamore st. . . .	Public.	40	891	....
Main	Broadway . . .	Medford line . .	Public.	50	966	....
*Malden	Mystic ave. . .	Melrose st. . . .	Private.	50	....	1,360
Mallet	Willow ave. . .	Liberty ave. . .	Public.	40	657	....
Malloy ct.	Somerville ave. .	Merriam ave. . .	Private.	30	....	255
Malvern ave. . .	Cameron ave. .	Yorktown st. . .	Public.	40	410	....
Manila road . . .	Beacon st. . . .	Sacramento st. .	Private.	40	....	408
Mansfield	Somerville ave. .	Washington st. .	Public.	40	735	....
Maple ave. . . .	School st. . . .	Southeasterly .	Private.	40	....	300
Maple pl.	Marshall st. . .	Maple ave. . . .	Private.	5	....	125
Maple	Poplar st. . . .	Medford st. . . .	Public.	30	699	....
Mardel circle . .	Spring st. . . .	Northwesterly .	Private.	8	....	140
Marion	Concord ave. . .	Dimick st. . . .	Public.	40	1,141	....
Marshall	Broadway . . .	Pearl st.	Public.	40	1,650	....
Mason	Broadway . . .	Powder House Blvd.	Private.	....	....	683
May pl.	Hawkins st. . .	Easterly	Private.	12	....	160
McCarroll ct. . .	Clyde st. . . .	Southwesterly .	Private.	25	....	75
McCulpe pl. . . .	Medford st. . .	Easterly	Private.	10	....	110
McGregor ave. . .	Wigglesworth st.	Walnut st. . . .	Private.	13	....	302
Meacham road . .	Dover st. . . .	Cambridge line .	Public.	40	1,060	....
Meacham	Mt. Vernon ave. .	Medford line . .	Private.	40	....	800
Mead	Cameron ave. . .	Moore st. . . .	Private.	40	....	340
Medford	Cambridge line .	Central st. . . .	Public.	50	8,047	....
Medford	Central st. . . .	Broadway	Public.	55	1,985	....
Melrose	Mystic ave. . .	Fellsway	Private.	50	....	2,310
Melvin	Broadway . . .	Bonair st. . . .	Public.	40	487	....
Merriam ave. . .	Merriam st. . .	Malloy ct. . . .	Private.	15	....	255
Merriam	Washington st. .	Somerville ave. .	Public.	40	360	....
Merriam	Somerville ave. .	Charlestown st. .	Public.	30	510	....
Middlesex ave. .	Mystic ave. . .	Fellsway	Public.	60	2,304	....
Milk pl.	Somerville ave. .	Southwesterly .	Private.	about 30	....	100
Miller	Sacramento st. .	Beacon st. . . .	Private.	33	....	465
Milton	Orchard st. . .	Cambridge line .	Public.	40	223	....
Miner	Vernon st. . . .	Ames st.	Public.	40	244	....
Mondamin ct. . .	Ivaloo st. . . .	Harrison st. . .	Private.	25	....	250
Monmouth	Central st. . . .	Westerly	Public.	40	267	....
Monmouth	End of above . .	Harvard st. . . .	Private.	35	....	200

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Montgomery ave.	Broadway . . .	Wellington ave. . .	Public.	40	265	....
Montrose ct. . .	Montrose st. . .	B. & L. R. R. . .	Private.	12	....	110
Montrose . . .	School st. . .	Sycamore st. . .	Public.	40	886	....
Moore . . .	Holland st. . .	Mead st. . .	Public.	40	695	....
Moreland . . .	Main st. . .	Mystic ave. . .	Public.	40	1,471	....
Morgan . . .	Beacon st. . .	Park st. . .	Public.	40	377	....
Morrison ave.	Cedar st. . .	Willow ave. . .	Public.	50	1,366	....
Morrison ave.	Willow ave. . .	College ave. . .	Public.	40	1,690	....
Morrison pl. . .	Morrison ave. . .	Northerly . . .	Private.	20	....	190
Morrison pl. . .	Morrison pl. . .	Easterly . . .	Private.	15	....	175
Mortimer pl. . .	Marshall st. . .	Walter st. . .	Private.	20	....	280
Morton . . .	Glen st. . .	Knowlton st. . .	Public.	40	287	....
Mossland . . .	Somerville ave. .	Elm st. . .	Public.	40	377	....
Mountain ave.	Linden ave. . .	Porter st. . .	Private.	22	....	310
Mousal pl. . .	North Union st.	B. & M. R. R. . .	Private.	20	....	200
Mt. Pleasant ct.	Perkins st. . .	Southwesterly . .	Private.	40	....	260
Mt. Pleasant . .	Broadway . . .	Perkins st. . .	Public.	33	584	....
Mt. Vernon ave.	Main st. . .	Meacham st. . .	Private.	50	....	800
*Mt. Vernon ave.	Meacham st. . .	Mystic ave. . .	Private.	50	....	764
Mt. Vernon . . .	Washington st. .	Pearl st. . .	Public.	40	600	....
Mt. Vernon . . .	Pearl st. . .	Perkins st. . .	Public.	50	473	....
Mt. Vernon . . .	Perkins st. . .	Broadway . . .	Public.	40	590	....
Mt. Vernon ter.	Mt. Vernon ave.	Southeasterly . .	Private.	30	....	162
Munroe . . .	Walnut st. . .	Easterly . . .	Public.	40	375	....
Munroe . . .	End of above . .	Boston st. . .	Public.	50	1,214	....
Murdock . . .	Cedar st. . .	Clyde st. . .	Private.	30	....	900
Murray . . .	Washington st. .	Southerly . . .	Private.	30	....	250
Museum . . .	Beacon st. . .	Cambridge line . .	Public.	40	164	....
Myrtle ct. . .	Myrtle st. . .	Easterly . . .	Private.	10	....	100
Myrtle pl. . .	Myrtle st. . .	Westerly . . .	Private.	20+	....	120
Myrtle . . .	Washington st. .	Perkins st. . .	Public.	40	1,423	....
Mystic ave. . .	Charlestown line	Union st. . .	Public.	60	378	....
†Mystic ave. . .	Union st. . .	Medford line . . .	Public.	66	6,938	....
Mystic . . .	Benedict st. . .	Mystic ave. . .	Public.	40	336	....
**Mystic Val. Pky.	Medford line . .	Arlington line . .	Public.	60	2,336	....
Nashua . . .	Richardson st. .	B. & L. R. R. . .	Public.	35	637	....
Nevada ave. . .	Village st. . .	Hanson st. . .	Private.	20	....	200
Newberne . . .	Appleton st. . .	Morrison ave. . .	Public.	40	200	....
Newberne . . .	Morrison ave. . .	Arlington Br. R. R.	Private.	40	....	173
Newbury park . .	Newbury st. . .	Southeasterly . .	Private.	55	....	68
Newbury . . .	Holland st. . .	Cambridge line . .	Public.	40	1,260	....
Newman pl. . .	Cedar st. . .	Southeasterly . .	Private.	15	....	100
Newton pl. . .	Newton st. . .	Easterly . . .	Private.	about 10	....	100
Newton . . .	Prospect st. . .	Webster ave. . .	Public.	25	470	....
Newton . . .	Webster ave. . .	Concord ave. . .	Public.	40+	637	....
Norfolk . . .	Webster ave. . .	Cambridge line . .	Public.	40	283	....
North . . .	Broadway . . .	Medford line b. 17	Public.	40	1,961	....
North . . .	Medford line b. 17	Medford line b. 18	Public.	37 to 42	649	....
North Union . .	Mystic ave. . .	Northeasterly . .	Private.	30	....	600
Norton . . .	Nashua st. . .	Southeasterly . .	Private.	20	....	200
Norwood ave. .	Broadway . . .	Medford st. . .	Public.	40	350	....
Oak . . .	Prospect st. . .	Angle . . .	Public.	40	665	....
Oak . . .	Angle . . .	Cambridge line . .	Public.	30	563	....
Oak St. pl. . .	Oak st. . .	Northerly . . .	Private.	4	....	85
Oakland ave. . .	Marshall st. . .	School st. . .	Public.	40	440	....
Olive ave. . .	Linden ave. . .	Peterson ter. . .	Private.	25	....	155
Olive sq. . .	Lake st. . .	Southerly . . .	Private.	about 15	....	100
Oliver . . .	Franklin st. . .	Cross st. . .	Public.	40	1,085	....
Orchard . . .	Cambridge line . .	Meacham road . .	Public.	40	1,567	....
Osgood . . .	Granite st. . .	Easterly & west'y	Private.	40	....	450
Ossipee road . .	Mason st. . .	Packard ave. . .	Private.	40	....	633
Ossipee road . .	Packard ave. . .	Curtis st. . .	Public.	40	682	....
Otis . . .	Cross st. . .	Wigglesworth st. .	Public.	40	1,200	....
Oxford . . .	School st. . .	Central st. . .	Public.	35	1,361	....
Oxford . . .	Beacon st. . .	Cambridge line . .	Public.	50	100	....

*Proposed.

**Metropolitan Park Commission Boulevard.

†State Highway Austin St. to Medford line.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Packard ave. . . .	Broadway	Professors row . . .	Public.	60	1,758	....
Packard ave. . . .	Professors row . . .	Medford line	Private.	60	....	242
Palmer ave. . . .	Franklin st. . . .	Northwesterly . . .	Private.	20	....	200
Park ave.	College ave.	Wallace st.	Public.	40	467	....
Park pl.	Laurel st.	Easterly	Private.	30	....	220
Park pl.	Park pl.	Northeasterly . . .	Private.	20	....	150
Park	Somerville ave. . .	Beacon st.	Public.	50	1,238	....
Parker pl.	Porter st.	Northwesterly . . .	Private.	20	....	150
Parker	Washington st. . .	Fremont ave. . . .	Public.	35	203	....
Partridge ave. . .	Vernon st.	Broadway	Public.	40	1,467	....
Patten ct.	Cutter st.	Southeasterly . . .	Private.	8	....	100
Paulina	Broadway	Holland st.	Public.	40	769	....
Pearl	Crescent st. . . .	Mt. Vernon st. . . .	Public.	37	341	....
Pearl	Mt. Vernon st. . .	Franklin st.	Public.	50	957	....
Pearl	Franklin st.	Cross st.	Public.	40	1,060	....
Pearl	Cross st.	Medford st.	Public.	50	2,447	....
Pearl St. pl. . . .	Pearl st.	Northeasterly . . .	Private.	20	....	200
Pearl ter.	Pearl st.	Northerly	Private.	23	....	161
Pearson ave. . . .	Morrison ave. . . .	Boston ave.	Public.	45	1,320	....
Pearson road . . .	Broadway	Warner st.	Public.	40	564	....
Pearson road . . .	Warner st.	Dearborn road . . .	Private	40	....	1,090
Pembroke ct. . . .	Pembroke st. . . .	Southwesterly . . .	Private.	25	....	130
Pembroke	Central st.	Sycamore st.	Public.	40	430	....
Perkins pl.	Perkins st.	Northeasterly . . .	Private.	20	....	200
Perkins	Franklin st.	Charlestown line . .	Public.	40	1,336	....
Perry	Washington st. . .	Lincoln parkway . .	Public.	40	606	....
Peterson ter. . . .	Porter st.	Olive ave.	Private.	7.5	....	155
Pinckney pl. . . .	Pinckney st. . . .	Southeasterly . . .	Private.	24	....	125
Pinckney	Washington st. . .	Perkins st.	Public.	40	1,186	....
Piper ave.	Cedar st.	Westerly	Private.	20	....	461
Pitman	Beech st.	Spring st.	Private.	30	....	380
Pitman	Spring st.	Belmont st.	Private.	26	....	390
Pleasant ave. . . .	Walnut st.	Vinal ave.	Public.	40	543	....
Poplar ct.	Poplar st.	Southeasterly . . .	Private.	10	....	80
Poplar	Somerville ave. . .	Linwood st.	Public.	30	351	....
Poplar	Linwood st.	Joy st.	Public.	35	315	....
Poplar	Joy st.	B. & L. R. R. . . .	Private	35	....	65
Porter ave.	Porter st.	Northwesterly . . .	Private.	20	....	220
Porter	Elm st.	Mountain ave. . . .	Public.	45	1,622	....
Porter	Mountain ave. . .	Highland ave. . . .	Public.	40	415	....
Powder house boulevard	Powder house square	Northwesterly, Mystic river and Medford line . . .	Public.	80	7,200	....
Powder house ter.	Kidder ave.	Liberty ave.	Public.	40	585	....
Prentiss	Beacon st.	Cambridge Line . .	Private.	35	....	150
Prescott	Summer st.	Highland ave. . . .	Public.	50	1,110	....
Preston road . . .	School st.	Summer st.	Public.	40	839	....
Prichard ave. . . .	Morrison ave. . . .	Boston ave.	Public.	40	1,191	....
Princeton	Alpine st.	Lowell st.	Public.	40	648	....
Princeton	Lowell st.	Centre st.	Private.	40	....	540
Professors row . .	College ave.	Curtis st.	Public.	40	2,000	....
Prospect	Washington st. . .	Cambridge line . . .	Public.	50	2,071	....
Prospect Hill av.	Medford st.	Munroe st.	Public.	40	597	....
Prospect Hill p'k'y	Munroe st.	Stone ave.	Public.	40	400	....
Prospect pl. . . .	Prospect st.	Newton st.	Private.	20	....	130
Putnam	Summer st.	Highland ave. . . .	Public.	50	1,262	....
Quincy	Somerville ave. . .	Summer st.	Public.	40	781	....
Randolph pl. . . .	Cross st.	Westerly	Private	15	....	244
Raymond ave. . . .	Curtis st.	North st.	Public.	40	1,345	....
Record ct.	Broadway	Southwesterly . . .	Private.	10	....	110
Reed's ct.	Oliver st.	Southwesterly . . .	Private.	20	....	105
Remick ct.	Cutter st.	Southeasterly . . .	Private.	10	....	100
Richardson	Lowell st.	Hinckley st. l . . .	Public.	35	467	....
Richardson ter. . .	Richardson st. . .	Northeasterly . . .	Private.	20	....	135
Richdale ave. . . .	School st.	Sycamore st.	Public.	40	875	....
Richmond hi'l'ds {	Madison st.	Southerly 146' . . .	Private.	30	....	146
Roberts	Madison st. s'ly 146	Highland ave. . . .	Private.	10	....	140
	Hinckley st.	Northwesterly . . .	Private.	20	....	170

Table Showing the Location; Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Robinson . . .	Central st. . .	Bartlett st. . .	Public	40	582	....
Rogers ave. . .	Morrison ave. . .	Boston ave. . .	Public.	45	1,682	....
Roland st. . .	Waverly st. . .	Boston line . . .	Private.	40	....	100
Roseland . . .	Beacon st. . .	Cambridge line . . .	Public.	40	121	....
Rossmore . . .	Somerville ave. . .	Washington st. . .	Public.	40	534	....
Royce pl. . .	Bonair st. . .	Northeasterly . . .	Private.	15+	....	175
Rush . . .	Broadway . . .	Flint st. . .	Public.	40	1,400	....
Russell road . . .	Broadway . . .	North st. . .	Private.	40	....	1,193
Russell . . .	Elm st. . .	Cambridge line . . .	Public.	40	700	....
Sacramento . . .	Somerville ave. . .	Fitchburg R. R. . .	Public.	40	80	....
Sacramento . . .	Fitchburg R. R. . .	Beacon st. . .	Public.	40	290	....
Sacramento . . .	Beacon st. . .	Cambridge line . . .	Private.	40	....	156
Sanborn ave. . .	Warren ave. . .	Walnut st. . .	Public.	40	280	....
Sanborn ct. . .	Washington st. . .	Northwesterly . . .	Private.	30	....	176
Sargent ave. . .	Broadway . . .	Walnut st. . .	Public.	40	1,075	....
Sartwell ave. . .	Cedar st. . .	Cherry st. . .	Private.	35	....	400
Sawyer ave. . .	Packard ave. . .	Curtis st. . .	Private.	40	....	690
School . . .	Somerville ave. . .	Highland ave. . .	Public.	40	1,901	....
School . . .	Highland ave. . .	Broadway . . .	Public.	50	2,500	....
Sellon pl. . .	Marshall st. . .	Northwesterly . . .	Private.	12	....	120
Seven Pines ave. . .	Cameron ave. . .	Cambridge line . . .	Public.	40	92	....
Sewall ct. . .	Sewall st. . .	Southwesterly . . .	Private.	25	....	190
Sewall . . .	Grant st. . .	Temple st. . .	Public.	40	615	....
Shawmut pl. . .	Shawmut st. . .	Alston st. . .	Public.	30	190	....
Shawmut . . .	Washington st. . .	Cross st. . .	Public.	40	575	....
Shedd . . .	Somerville ave. . .	Merriam ave. . .	Private.	40	....	310
Sherman ct. . .	Sargent ave. . .	Marshall st. . .	Private.	10	....	250
Sibley ct. . .	Cutter st. . .	Northwesterly . . .	Private.	10	....	100
Sibley pl. . .	Cutter st. . .	Northwesterly . . .	Private.	10	....	100
Simpson ave. . .	Broadway . . .	Holland st. . .	Private.	40	....	825
Skehan . . .	Dane st. . .	Hanson st. . .	Public.	30	306	....
Skehan . . .	Hanson . . .	Durham . . .	Private.	30	....	414
Skilton ave. . .	Pearl st. . .	Pearl st. . .	Private.	40	....	540
Smith ave. . .	Beacon st. . .	Line st. . .	Private.	25+	....	200
Snow ter. . .	Jaques st. . .	Southwesterly . . .	Private.	16	....	120
Somerville ave. . .	E. Camb. line . . .	Union sq. . .	Public.	75	4,325	....
Somerville ave. . .	Union sq. . .	N. Camb. line . . .	Public.	70	6,793	....
South . . .	Medford st. . .	Water st. . .	Public.	30	989	....
Spencer ave. . .	Cedar st. . .	Hancock st. . .	Public.	40	727	....
Spring ct. . .	Somerville ave. . .	Westerly . . .	Private.	20	....	200
Spring . . .	Somerville ave. . .	Summer st. . .	Public.	40	1,220	....
Springfield . . .	Concord ave. . .	Cambridge line . . .	Public.	40	788	....
Spring Hill ter. . .	Highland ave. . .	Belmont st. . .	Private.	20	....	670
Stanford ter. . .	Beacon st. . .	Northeasterly . . .	Private.	20	....	200
Stickney ave. . .	Marshall st. . .	School st. . .	Public.	40	458	....
St. James ave. . .	Elm st. . .	Summer st. . .	Public.	40	488	....
St. James ave. ext. . .	Summer st. . .	Northeasterly . . .	Private.	30	....	125
Stone ave. . .	Union sq. . .	Columbus ave. . .	Public.	40	676	....
Stone ave. . .	Columbus ave. . .	Prospect Hill p'k'y . . .	Public.	38	107	....
Stone pl. . .	Stone ave. . .	Southeasterly . . .	Private.	30	....	145
Summer . . .	Bow st. . .	Elm st. . .	Public.	45	7,900	....
Summit ave. . .	Walnut st. . .	Vinal ave. . .	Public.	45	532	....
Summit . . .	College ave. . .	Billingham st. . .	Public.	40	262	....
Sumner . . .	Hinckley st. . .	Northwesterly . . .	Private.	20	....	175
Sunnyside ave. . .	Walnut st. . .	Wigglesworth st. . .	Private.	35	....	250
Sunset rd. . .	Curtis st. . .	Proposed st. . .	Private.	40	....	658
Sycamore . . .	Broadway . . .	Medford st. . .	Public.	45	1,275	....
Sycamore . . .	Medford st. . .	B. & L. R. R. . .	Public.	40	667	....
Sycamore . . .	B. & L. R. R. . .	Highland ave. . .	Public.	35	722	....
Sydney . . .	Grant st. . .	Temple st. . .	Public.	40	679	....
Talbot ave. . .	Packard ave. . .	College ave. . .	Private.	50	....	1,409
* Tannery (Ext'n) . . .	Cambridge line . . .	Woodstock st (Ext'n) . . .	Private.	40	....	160
Taunton . . .	Wyatt st. . .	Easterly to angle . . .	Private.	30	....	170
Taunton . . .	Angle . . .	Marion st. . .	Private.	20	....	95
Taylor pl. . .	Somerville ave. . .	Southerly . . .	Private.	15	....	200

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Taylor	Mystic ave. . . .	Sydney st.	Private.	40	....	310
Teele ave.	Packard ave. . . .	Curtis st.	Private.	40	....	685
Temple	Broadway	Mystic ave.	Public.	66	1,637	....
Tenney ct.	Mystic ave.	Northeasterly . . .	Private.	30	....	400
Tennyson	Forster st.	Pembroke st. . . .	Public.	40	922	....
Thorndike	Holland st.	Arl'ngt'n Br. R. R. .	Public.	40	465	....
Thorndike	Arl'gt'n Br. R.R. .	Kingston st.	Public.	40	115	....
Thorpe	Highland ave. . . .	Southwesterly . . .	Public.	30	468	....
Thurston	Broadway	Richdale ave. . . .	Public.	40	1,660	....
Timmins pl.	Dane st.	Westerly	Private.	3.5	....	97
Tower ct.	Tyler st.	Northeasterly . . .	Private.	25	....	150
Tower	Crown st.	Highland ave. . . .	Public.	40	559	....
Tremont pl.	Tremont st.	Southeasterly . . .	Private.	about 10	....	75
Tremont	Webster ave. . . .	Cambridge line . . .	Public.	40	589	....
Trull	Vernon st.	Medford st.	Public.	40	1,050	....
Trull lane	Highland ave. . . .	Oxford st.	Private.	15	....	200
Tufts parkway	College ave.	College ave.	Public.	22	900	....
Tufts	Washington st. . . .	Cross st.	Public.	40	982	....
Tyler	Vine st.	Dane st.	Public.	40	404	....
Union	Broadway	Mystic ave.	Public.	40	345	....
Union pl.	Linwood st.	Southwesterly . . .	Private.	10	....	100
Upland Park	Main st.	Southwesterly . . .	Private.	20	....	175
Veazie	Walnut st.	Bradley st.	Public.	35	392	....
Veazie	Bradley st.	Marshall st.	Public.	40	261	....
Vernon	Central st.	Glenwood road . . .	Public.	40	764	....
Vernon	Glenwood road . . .	Partridge ave. . . .	Public.	40 to 30	190	....
Vernon	Partridge ave. . . .	Lowell st.	Public.	30	434	....
Victoria	Broadway	Cambridge line . . .	Public.	40	1,036	....
Villa ave.	Winslow ave. . . .	Arlington Br. R. R. .	Private.	35	....	200
Village	Dane st.	Vine st.	Private.	25	....	370
Vinal ave.	Summer st.	Highland ave. . . .	Public.	45	1,425	....
Vinal	Richardson st. . . .	Northeasterly . . .	Private.	20	....	200
Vine ct.	Vine st.	Northwesterly . . .	Private.	25	....	140
Vine	Somerville ave. . . .	Hanson st.	Private.	40	....	780
Vine	Hanson st.	Beacon st.	Public.	30	662	....
Virginia	Aldrich st.	Jasper st.	Public.	40	405	....
Wade ct.	Cedar st.	Westerly	Private.	20	....	180
Waldo ave.	Beacon st.	Dimick st.	Private.	40	....	277
Waldo	Highland ave. . . .	Hudson st.	Public.	40	287	....
Walker st.	Broadway	Leonard st.	Private.	40	....	713
Wallace	Holland st.	Broadway	Public.	40	1,342	....
Walnut	Bow st.	Broadway	Public.	40	3,948	....
Walnut road	Walnut st.	Kenneson road . . .	Private.	40	....	270
Walter pl.	Walter st.	Southwesterly . . .	Private.	40	....	222
Walter	Walnut st.	{ about 100 ft. N. } of Bradley st. }	Public.	40	548	....
Ward	Medford st.	Emery st.	Private.	30	....	450
Ware	Curtis st.	Dow st.	Private.	40	....	680
Warner	Powder House sq. . .	Medford line	Public.	60	500	....
Warren ave.	Union sq.	Columbus ave. . . .	Public.	40	663	....
Warren	Medford st.	Cambridge line . . .	Public.	30 to 40	109	....
Warwick place	Warwick st.	Northeasterly . . .	Private.	15	....	150
Warwick	Cedar st.	Warwick pl.	Public.	40	665	....
Washington ave. . . .	Washington st. . . .	Northerly	Private.	18	....	350
Washington pl.	Washington st. . . .	Southerly	Private.	about 7.5	....	114
Washington	Charlest'n line . . .	Franklin ave.	Public.	75	1,060	....
Washington	Franklin ave.	Fitchburg R. R. . .	Public.	60 to 100	3,977	....
Washington	Fitchburg R. R. . .	Cambridge line . . .	Public.	60	2,344	....
Water	South st.	Northerly	Private.	25	....	250
Waterhouse	Broadway	Cambridge line . . .	Private.	40	....	986
Watson	Broadway	Fairmount ave. . . .	Private.	40	....	236
Waverly	Washington st. . . .	Roland st.	Private.	35	....	200
Webster ave.	Union sq.	Cambridge line . . .	Public.	49.5	1,955	....
Webster	Franklin st.	Cross st.	Public.	40	1,034	....
Wellington ave.	Walnut st.	Montgomery ave. . .	Public.	40	215	....
Wellington ave.	Montgomery ave. . .	Easterly	Private.	40	....	85

Table Showing the Location, Length and Width of Public and Private Streets. — Concluded.

STREET.	FROM.	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Wesley pk. . . .	Wesley sq. . . .	Northeasterly . .	Public.	40	405	....
Wesley	Pearl st.	Otis st.	Public.	40	515	....
West	Hawthorne st. . .	Highland ave. . .	Public.	30	192	....
West	Highland ave. . .	Arlington Br. R.R.	Private.	30	....	266
West Adams . . .	Conwell ave. . . .	Medford line . . .	Private.	40	....	710
Westminster . . .	Broadway	Electric ave. . . .	Public.	40	376	....
Weston ave. . . .	Clarendon ave. . .	Broadway	Private.	40	....	525
West Quincy . . .	Bailey st.	Medford line . . .	Private.	40	....	291
Westwood road . .	Central st.	Benton road	Public.	40	489	....
Wheatland	Broadway	Mystic ave.	Public.	40	1,364	....
Wheeler	Pinckney st. . . .	Mt. Vernon st. . .	Public.	40	269	....
Whipple	Highland ave. . . .	Arlington Br. R. R.	Private.	30	....	318
† White	Elm st.	Cambridge line . .	Public.	..	307	....
White St. pl. . . .	White st.	Southeasterly . . .	Private.	20	....	200
Whitfield road . .	Packard ave. . . .	Curtis st.	Private.	40	....	684
Whitman st. . . .	Mason st.	Packard ave. . . .	Private.	40	....	632
Wigglesworth . . .	Bonair st.	Pearl st.	Public.	40	744	....
William	Chandler st. . . .	College ave.	Public.	40	381	....
William	Broadway	Medford line . . .	Private.	50	....	45
Williams ct. . . .	Porter st.	Northwesterly . . .	Private.	30	....	150
Willoughby	Central st.	Sycamore st.	Public.	40	427	....
Willow ave. . . .	Elm st.	Broadway	Public.	50	3,534	....
Willow pl.	Cambridge line . .	South st.	Private.	25	....	150
Wilson ave.	Broadway	B. & L. R. R. . . .	Private.	20	....	310
Wilton	Lowell st.	Hinckley st.	Public.	35	470	....
Winchester	Broadway	Medford line . . .	Private.	40	....	65
Windom	Elm st.	Summer st.	Public.	40	300	....
Windsor road . . .	Willow ave.	Hancock st.	Public.	40	575	....
Windsor st. (Extn.)	Windsor st., Camb.	Fitchburg R. R. . .	Private.	20	....	530
Winslow ave. . . .	College ave.	Clifton st.	Public.	40	1,123	....
Winter	College ave.	Holland st.	Public.	30	402	....
Winter Hill cir. .	Broadway	Northeasterly . . .	Private.	25	....	177
Winthrop ave. . .						
(Extension.) . . .	Mystic ave.	Middlesex ave. . .	Private.	40	....	583
Woodbine	Centre st.	Lowell st.	Private.	30	....	600
* Woods ave. . . .	North st.	Powder House Blvd.	Private.	40	....	1,350
Woodstock	Victoria st.	Alewife brook . . .	Private.	40	....	415
* Woodstock . . .						
(Extension.) . . .	Victoria st.	Tannery st. (Ext'n.)	Private.	40	....	920
Wyatt circle . . .	Wyatt st.	Wyatt st.	Private.	20	....	315
Wyatt	Concord ave. . . .	Lincoln parkway . .	Public.	40	496	....
Yorktown	Cambridge line . .	{ N. E. line Mal- } vern ave. }	Public.	40	294	....
Yorktown	{ N. E. line } Malvern ave. }	Northerly	Private.	40	....	100

*Proposed.

†Sidewalk in Somerville.

Court	11 Albion st. . .	Northeasterly . .	Private.	9	....	170
Court	21 Albion st. . .	Northeasterly . .	Private.	10	....	100
Court	292 Broadway . .	Southwesterly . .	Private.	15	....	96
Court	612 Broadway . .	Southwesterly . .	Private.	20	....	188
Court	113 Central st. .	Southeasterly . .	Private.	20	....	150
Court	227 Columbia st.	Northwesterly . .	Private.	10	....	117
Court	Conlon ct.	Windsor st. (Extn.)	Private.	20	....	240
Court	36 Craigie st. . .	Westerly	Private.	25	....	126
Court	58 Dane st. . . .	Easterly	Private.	10	....	70
Court	20 Dimick st. . .	Southwesterly . .	Private.	39.25	....	136
Court	66 Lowell st. . .	Westerly	Private.	25	....	101
Court	78 Lowell st. . .	Westerly	Private.	25	....	101
Court	10 Stone ave. . .	Northwesterly . .	Private.	20	....	113
Court	Windsor st. (Extn.)	East'ly and West'ly	Private.	20	....	370
Total					404,794	105,873

Public, 76.665 miles (includes 3.294 miles boulevards and 1.16 miles State Highway); private, 20.051 miles.

Total length of streets in the city, 96.716 miles.

REPORT OF THE STREET COMMISSIONER.

OFFICE OF THE STREET COMMISSIONER, }
CITY HALL, SOMERVILLE, January 1, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the thirty-sixth annual report, containing a brief summary of the principal work performed by the highway department during the year 1911, with recommendations for necessary improvements and additions for the coming year.

The Highways Maintenance appropriation for this department is received from the Commonwealth of Massachusetts, being the amount of the street railway tax and the Boston Elevated Railway tax.

The department is working under an eight-hour-a-day basis, and the two-dollar-a-day men's pay has been increased to \$2.15, also the teamsters' pay to \$2.25, thus increasing the expenditures many thousands of dollars.

This department has charge of the construction, alteration, repair, maintenance, and management of ways, streets, sidewalks, and bridges; also the setting out and care of shade trees, the suppression of gypsy and brown-tail moths, elm-leaf beetles, and the supervision of street watering and oiling.

Paving.

There is a great problem before the highway department in the construction and care of the highways.

Residents and owners of automobiles are in favor of any kind of a street paving and oil for laying the dust, while owners of horses complain that this kind of construction is very slippery and dangerous to drive upon. I think, however, as the horses become more familiar with this kind of paving the difficulty will be overcome.

In some of the Western cities nearly all of the streets are paved with a sheet paving. This paving is more sanitary and very easy to keep clean, and could be flushed with a flushing machine nightly.

It is out of the question that highways can be constructed as they were years ago and stand the automobile travel. Many of the large concerns and corporations are being equipped with auto trucks, which means that the city must construct the highways to stand the wear of this modern transportation.

The department has followed out the usual custom of constructing one or more thoroughfares each year.

Portions of Elm, Holland, Beacon streets, Mystic avenue, and Broadway, with Teele square and Ball square, were

constructed with permanent paving. (See table in back of report for kind and cost of paving.)

Walnut street, the connecting link between the Fells and the Fens, and used almost exclusively by automobilists, has been resurfaced with a "Tarvia" and "A" binder.

The average cost of macadam and tarvia was \$.95 per square yard.

In the construction of Broadway and Beacon street, where we found a clay bottom, which was removed and coarse ashes substituted, the average cost of macadam and tarvia was \$1.35 per square yard.

Holland Street Ledge.

Quarrying has been carried on at this ledge summer and winter.

A large amount of good stone still remains, which can be used for sidewalks and repairs of side streets.

The steam drill has worked 258 days.

Stone Crusher.

The crushing plant has worked 274½ days during the year. A contract was made with Coleman Brothers for hard stone delivered on the line of work for \$1.45 per ton south of Highland avenue, and \$1.40 per ton north of Highland avenue, and also with the Winchester Stone Company for \$1.25 and \$1.15 per ton, F. O. B., Somerville or Cambridge stations.

There were 8,640 tons of stone crushed and 2,788.91 tons purchased during the year.

Street Cleaning.

A special effort has been made this year to keep the streets clean, and the department asks the co-operation of the residents and storekeepers to help by not throwing or sweeping rubbish into the streets.

All the streets, both public and private, were cleaned in the spring and fall, and paved streets were swept as often as considered necessary.

Push cart men are kept in all the squares to care for same, and on some of the main streets. A single team with an extra man was assigned to a certain district this year to keep the same clean. Such good results were obtained that I intend to assign a team to each ward in the city, thereby covering the entire city once or twice a week.

The board of health resumed the old custom whereby the tenants instead of the city employees set out the ash and rubbish barrels, and as a result the streets are littered with papers and rubbish, which gives a bad appearance. I hope money can be found whereby the employees may do this work.

Bridges.

The bridges in the city are in good condition. Many of the railroad bridges have been replanked this year. If any defects are found in these bridges the railroad company is promptly notified, and the defect is repaired.

The abolition of the grade crossing on Webster avenue at the Boston & Maine Railroad is nearly completed, and the new bridge has been opened to the public. This will do away with a very dangerous crossing, which was a great inconvenience to the general public and the cause of the loss of many lives. Wash borings have been made on Medford street in conjunction with the abolition of this dangerous crossing.

Shade Trees.

The city has lost many trees by gas leaks, electric wires, and insects, and I recommend that the city purchase and set out trees to replace them.

The trees purchased by the abutters were set out by the department, each supported by a pole and protected by a wire guard.

One hundred and twenty-five dead and dangerous trees were removed during the year, and 112 trees set out. Two hundred and fifty-four trees were trimmed by request.

Elm-Leaf Beetles.

A gasoline spraying machine was purchased this year, and all the street trees were sprayed not only for the elm-leaf beetle, but for all the pests. The coming year will show good results and money well spent. The number of trees sprayed was 8,093.

Leopard Moth.

I think this insect the worst pest the department has ever had to exterminate. It bores into the branches and feeds on the living wood, thus making it difficult to discover them. Many branches and even whole trees broken off showed upon investigation to be the work of this moth.

I recommend an appropriation for this work.

Gypsy and Brown-Tail Moths.

The new spraying machine has also done good work in the extermination of this pest. I have investigated the street trees, and found very few nests this winter. The nests of the gypsy moths are painted with creosote, and the nests of the brown-tail moths are cut from the branches and taken to the city yard and burned in an incinerator. This work is done in the winter time, thus giving work to the employees of the department the entire year.

This work is inspected by an inspector sent by the state forester, Frank William Rane.

Where nests are found on private property the owner is charged at the rate of twenty-seven cents an hour per man, and the amount of the assessment is collected with the taxes on the estate.

The law gives the city the right to enter any private property to care for the moths and provides for an assessment to cover the cost of the work.

The number of trees inspected and cared for during the year is 4,446.

Subways.

Kent, Sacramento, and Thorndike street subways require constant attention.

With the abolition of the grade crossings I hope these subways can be abandoned.

Sprinkling Streets.

Under the new law the city can use water or a substitute and assess the abutters at the same rate as for street watering.

The department has used a large amount of all kinds of oil to keep the dust down, and it has given good results. There is no doubt as to the efficiency of tar or oil on roads. I have received fewer complaints from residents this year in regard to the dust, which is a good proof that the oil and tar are satisfactory. The tar or oil coats the road with a wearing surface, thereby saving the expense of resurfacing many of our old streets.

A new automatic pressure oiler was tried late this fall with good results, and I think next year the entire city can be covered with these oilers.

By the use of oil the street watering force was reduced from thirty-eight carts to eighteen carts and a great many thousand gallons of water saved, also the repainting of these carts.

This branch of the work is self-supporting, as the abutters pay five cents per linear foot for sprinkling.

Steam Rollers.

The fifteen-ton roller has worked 197 days, the twelve-ton roller 199 days, and the five-ton roller six days.

The twelve-ton roller has been in the department a number of years, and is liable to give out at any time.

I recommend the purchase of a new fifteen-ton roller.

Sidewalks.

In the construction of sidewalks, which includes edge-stones, brick, and granolithic, this has been the banner year,

Never in the history of the city has such a large appropriation (\$22,195.08) been made for this kind of work. With so large a sum the public works committee was able to recommend to the city government the construction of many sidewalks which had been petitioned for and on file for a number of years. The department did all the construction, thus giving employment to Somerville citizens, and the work was completed at the estimated cost. If the department could have this same appropriation for 1912, it could complete many of the sidewalks already started on the main thoroughfares, as was done on Highland avenue.

The average cost of gravel sidewalks with edgestones was \$1.06 per linear foot; brick sidewalks, \$1.30 per square yard; granolithic, \$1.54 per square yard. The abutters are assessed half of the cost. The cost of brick and granolithic sidewalks includes the resetting of edgestones. The cost of paving gutters was \$2.29 per square yard.

Snow and Ice.

It is the duty of this department to remove the snow and ice from all sidewalks in front of public buildings and public grounds, and sand the same when they become slippery, for which the department receives no compensation. On all of the gravel sidewalks of the city plows are used to clear the snow, but in case they become slippery the tenants must care for the same.

As soon as the bridges, which are made necessary by the abolition of the grade crossings, are completed the city must care for the snow and ice upon the same. Two of the bridges are completed, which adds extra expense to this branch of the work.

In a snow storm men are assigned to care for all the crossings on the main streets, and to sand the same if they become slippery. Sand boxes are within easy access for the push-cart men who care for the subways, bridges, and squares.

Underground Wires.

Permits for opening the streets for the purpose of constructing conduits and burying wires were issued to the New England Telephone and Telegraph Company on the southerly side of Elm street, from Chester street to Oak square, and for enlargement of conduits on Pearl street, from Bradley street to Marshall street. Permits were also issued to this company and to the Edison Electric Illuminating Company of Boston to connect their underground systems on the main streets with their overhead wires on intersecting streets.

Accepted Streets.

There were eight streets accepted under the Betterment Act during the year, comprising a total length of 4,152 feet.

There were six streets constructed with macadam and tarvia under the Betterment Act, comprising a total length of 2,179 feet, at an average approximate cost of \$0.95 per square yard. In all the streets constructed during the past ten years edgestones were set and gutters paved with granite paving blocks before the construction work was begun.

There were seven streets or portions of streets macadamized or resurfaced at a cost of \$8,293.13.

There are 76.665 miles of public streets and 19.916 miles of private streets in the city, making a total length of 96.581 miles.

Sidewalks Maintenance.

Under this appropriation the money is expended for caring for defects in the sidewalks which are reported by the police department. These are always attended to immediately. Also, the repairing of brick and granolithic sidewalks and resetting edgestones comes under this appropriation.

A large amount of this kind of work was done this year, and as there are many petitions on file I hope to have a large appropriation to continue this kind of improvement. Eight thousand one hundred and forty-one feet of edgestones were reset, and 1,692 square yards of brick sidewalks relaid.

Street Railways.

The Boston Elevated Railway Company relaid and in some instances laid new rails on a concrete base, grouting the paving with Portland cement where the city constructed permanent paving with vitrified paving brick, and spread the tracks so that there is a space of five feet between them.

On Medford street, from Somerville avenue to Washington street, the outward track was moved three inches, and from Washington street to Cross street the space was made five feet; also on Holland street, between Thorndike street and Moore street, the inward track was moved three inches.

This work was petitioned for by the company so to make more space between their tracks in order to give more clearance between the large vestibule cars and in conjunction with the opening of the new Cambridge subway.

Emergency Calls.

The emergency call for this department is 8-8 on the fire alarm system, and is used to call the employees to the stable when needed for a big fire or storm or in case of an accident where teams and men could be used to good advantage. The emergency wagon is equipped with ropes, lanterns, jacks, and all kinds of tools, a quick-hitch harness, and is always ready in case of an accident to the department teams, or reports from the police or residents.

Miscellaneous.

This department has been called upon to furnish steam-rollers, teams, crushed stone, sand, gravel, cement, and ashes to the other departments, being reimbursed for the same.

Specifications were sent out to all the local and wholesale concerns, and bids asked for the furnishing of edgestones, brick, sand, gravel, cement, paving stock, etc. The bids were opened publicly in the office of the mayor, and the contracts were awarded to the lowest bidder, preference being given to Somerville citizens or taxpayers.

The department maintains its own painter, carpenter, blacksmith, horseshoer, and harness-repairer, all employed at the city stable.

The names of many streets which were duplicated in other parts of the city, thus causing great inconvenience to the public, were changed.

One horse has been purchased during the year, two killed, and two have died.

I have attended twenty-eight meetings of the committee on public works for consultation regarding work and petitions, and have reported on twenty-eight petitions for signs and lights over sidewalks to the license committee.

A great improvement has been made at the city yard. The railroad siding was placed upon our own property, and a new fence surrounds the departments located there.

Permits for steam rollers, erect canopy and blast rock	28
Permits for Cambridge Gas Light Company	263
Permits for Charlestown Gas Company	172
Permits for occupying streets	235
Permits for opening streets	154
Permits for crossing sidewalks	74
Permits for feeding horses	31
Street watering complaints and requests	84
Notifications to other departments and corporations	515
Requests for repairing gravel sidewalks	264
Accidents reported	24
Police reports	624
Streets oiled	303
Brick and granolithic sidewalks repaired	461
Miscellaneous reports and requests	425
Requests to care for moths	86
Poles and guards for trees	250
Snow and ice removed (loads)	810
Drain layers' permits	293
Water department openings	636
New signs erected by department	68
Signs re-painted	35
Sand and gravel used (square yards)	2,478
Dirt removed or handled (loads)	18,016
Scrapings removed from streets (loads)	13,503
Old macadam used (loads)	1,499
Ashes used (loads)	7,787

Recommendations.

I most respectfully recommend that the remaining unpaved portions of Elm street, Holland street, Beacon street, Broadway, Somerville avenue, College avenue, Pearl street, and Summer street be completed, thus completing all the main thoroughfares running east and west in our city. There must be some construction on the main streets in the vicinity of the new Webster-avenue bridge in conjunction with this great improvement.

With the laying of permanent paving on Mystic avenue this year, this thoroughfare will be used more than ever by the cities and towns lying north of our city, and Middlesex avenue should be constructed fifteen feet through the middle so as to make the connecting link to these cities and towns.

I desire to acknowledge my indebtedness to his honor, the mayor, for the constant, active interest he has taken in this department and for his valuable advice and encouragement; to the several members of the city government for their uniform courtesy and consideration, especially the Public Works Committee, and to the heads of the different departments for their ready co-operation.

I desire also to acknowledge my appreciation of the faithful and conscientious assistance rendered me by the foremen, inspectors, teamsters, laborers, and all others employed in the department; also the general public for notifying the department of the defects in the streets and sidewalks, which were promptly attended to, thereby saving the city the possibility of law suits.

Highways Maintenance Account.

CREDIT.

Balance from 1910		\$9,569 67
Receipts and credits:—		
Commonwealth of Massachusetts, street railway tax	\$50,836 88	
Boston Elevated Railway tax	10,000 74	
Health Department (collection of ashes, 1910)	60 60	
Stone received from Holland street ledge	5,052 34	
Sundry amounts received for materials used	359 26	
Use of city teams on sundry work	6,438 03	
Use of road rollers	2,265 08	
Use of spraying machine	12 50	
Boston & Maine Railroad, sale of gravel from Waltham Gravel Land	1,083 95	
James P. Logan, tree stumps	2 00	
Fay Brothers, old horseshoes	13 28	
Amount carried forward	\$76,124 66	

Amount brought forward	\$76,124 66	
Private work, the bills for which re- mained unpaid December 31, 1910 . . .	373 90	
Value of materials on hand January 1, 1911, . . .	2,708 91	
		<u>\$79,207 47</u>
Total		<u>\$88,777 14</u>
Less amount transferred to Cleaning Streets	\$22,929 92	
Sidewalks Maintenance	4,654 08	
Care of Trees	3,558 17	
Gypsy and Brown-tail Moth Exter- mination	586 72	
		<u>31,728 89</u>
Total credit		<u>\$57,048 25</u>

DEBIT.

Expenditures:—

For repairs of sundry streets, as per table B, at end of this report		\$9,588 86
General repairs of streets		10,256 81
Repairs of Union street	\$597 47	
less amount paid by Boston Ele- vated Railway Co.	350 00	
		<u>247 47</u>
Repairs of gutters		70 47
Repairs of sheet and block paving		2,450 42
Removing snow and ice and care of slippery sidewalks, . . .		4,243 79
Repairs of street crossings		543 38
Repairs of gravel sidewalks		2,504 30
Repairing banking, Highland avenue, near Cedar street, . . .		8 55
Repairing and replacing hydrant at city yard		65 21
Building fence at city yard		312 20
Relocating track at city yard		142 11
Repairing iron fence, Washington street, at bridge		47 84
Repairing carts, plows, rollers, etc.		1,302 47
Repairs of tools		169 04
Repairs of crusher		545 57
Repairs of steam road rollers		675 93
Building fence, Mead street, near Cameron avenue		4 03
Street opening, Waldo avenue, off Beacon street		32 65
Setting steps, Lovell street		20 70
Constructing dynamite house at city ledge		66 70
Changes in Broadway Parkway, at Walnut street and Fellsway West		1,502 43
Leveling and scraping Middlesex-avenue dump		102 73
Care of subways		412 00
Care of highway property		1,383 56
Damage to estate, Temple street (caused by construct- ing sidewalks)		79 00
Money paid men injured while at work		267 38
Sawing wood		49 15
Blacksmithing		591 00
Carpentering		378 37
Painting		106 58
Street Commissioner's salary		2,000 00
Street Commissioner's team		253 97

Amount carried forward \$40,414 67

Amount brought forward	\$40,414 67
Street Commissioner's telephone	21 18
Albert M. Burbank (foreman)	916 50
Books, printing, stationery, and postage	173 40
New carts	314 01
Private work, the bills for which remained unpaid December 30, 1911	56 18
Cleaning Streets account (bill remaining unpaid December 30, 1911)	46 20
Care of Trees (bill remaining unpaid December 30, 1911)	42 70
Public Grounds (bill remaining unpaid December 30, 1911)	359 97
Public Property (bill remaining unpaid December 30, 1911)	94 72
Sidewalks Maintenance (bill remaining unpaid December 30, 1911)	18 20
Street signs	542 02
Salary of Tree Warden (two years)	600 00
Sundry expenses	2,228 74
Abatement of accounts for collection	59 60
Tools	516 65
Iron and hardware	22 23
Holland Street Ledge	5,390 96
Value of materials on hand this day	2,450 42
Total debit	<u>\$54,278 35</u>
Balance unexpended	<u><u>\$2,769 90</u></u>

Highways Construction Account.

CREDIT.

Balance from 1910	\$1,817 69
Appropriation	50,000 00
	<u>\$51,817 69</u>
Less transfer to Highways, Paved Gutters and Crossings account	\$66 11
Less transfer to Highways, Care of Trees, Additional Equipment account	1,289 00
	<u>1,355 11</u>
	<u>\$50,462 58</u>
Advertising and recording releases and plans in 1910 charged in construction of streets in 1911	\$84 50
Highways, Paved Gutters and Crossings account (paving blocks)	177 97
Sidewalks Maintenance account (paving blocks)	70
	<u>263 17</u>
	<u><u>\$50,725 75</u></u>

DEBIT.

Expenditures:—

Construction of streets, as appears by table A, at end of this report	\$48,739 97	
Less assessments	2,870 23	
		\$45,869 74
Alteration and rebuilding Mystic-avenue bridge		3,024 07
Advertising and recording releases and plans for streets not constructed		98 40
Total debit		\$48,992 21
Balance unexpended		\$1,733 54

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriation	\$6,500 00	
Transfer from Sewers Construction account,	5,000 00	
Transfer from Highways Construction account	66 11	
		\$11,566 11
Value of material on hand January 1, 1911	\$900 00	
Net gain on material	71 16	
		971 16
Total credit		\$12,537 27

DEBIT.

Expenditures:—

For paving sixteen gutters, as per table D,	\$11,556 59	
Street crossings, as per table J	670 68	
Value of material on hand January 31, 1911,	310 00	
Total debit		\$12,537 27

Highways, Sprinkling Streets.

CREDIT.

Receipts:—

Assessments and contributions from abutters	\$33,574 15	
Bruno and Petitti, use of carts	13 00	
J. F. Ingraham, repairing cart	15 00	
Value of sprinkling carts January 1, 1911	11,250 00	
Value of material on hand January 1, 1911	223 45	
Total credit		\$45,075 60

DEBIT.

Expenditures:—

Teaming, street sprinkling	\$15,054 58	
Use of city teams	1,681 40	
Sprinkling streets with oil	8,006 44	
Sprinkling streets with tasscoil	4,451 09	
Sprinkling streets with tarvia	483 90	
Repairs of sprinkling carts	548 21	
Painting sprinkling carts	670 15	
Insurance on sprinkling carts	72 00	

Amount carried forward \$30,967 77

Amount brought forward	\$30,967 77	
New water post	30 45	
Maintenance of water post	260 93	
Lumber	16 35	
Sand	32 34	
Oil	3 30	
Paint brushes	116 73	
Books, printing, and stationery	18 75	
	<hr/>	
	\$31,446 62	
Value of sprinkling carts on hand this day	11,350 00	
Value of material on hand this day	113 30	
Profit and loss on sprinkling carts	200 00	
	<hr/>	
Total debit		\$43,109 92
		<hr/>
Balance unexpended		\$1,965 68
		<hr/>

Sidewalks Construction.

	CREDIT.	
Balance from 1910	\$2,195 08	
Appropriation	20,000 00	
	<hr/>	
Total credit		\$22,195 08
	DEBIT.	
Expenditures:—		
For sixty-three sidewalks constructed as per table C	\$44,065 74	
Less assessments	22,032 88	
	<hr/>	
		\$22,032 86
Abatement of assessment, estate of Annie Rosenthal, 24 Trull street (a sidewalk having been laid in front of her estate in 1904)	17 74	
Books	26 50	
Tools	55 60	
	<hr/>	
Total debit		\$22,132 70
		<hr/>
Balance unexpended		\$62 38
		<hr/>

Sidewalks Maintenance.

	CREDIT.	
Transfer from Highways Maintenance account	\$4,654 08	
Uncollected bill January 1, 1911	6 75	
Bricks taken from sidewalks where granolithic sidewalks were laid	222 34	
Value of materials on hand January 1, 1911,	16 20	
	<hr/>	
Total credit		\$4,899 37
	DEBIT.	
General Repairs of Sidewalks.		
Expenditures:—		
Labor, repairing sidewalks	\$3,241 75	
	<hr/>	
Amount carried forward	\$3,241 75	

Amount brought forward	\$3,241 75	
Use of city teams	497 89	
Bricks	376 72	
Crushed stone	78 14	
Sand	54 61	
Ashes	2 25	
Cement	93	
Lamp black	1 25	
Oil	5 65	
Paving blocks	1 50	
		<hr/>
		\$4,260 69

Substituting Granolithic for Brick Sidewalk from Warren Avenue to Stone Avenue.

Labor	\$460 08	
City teams	29 40	
Sand	10 68	
Cement	84 32	
Crushed stone	28 65	
Ashes	21 75	
Lamp black	2 30	
Oil	1 50	
		<hr/>
		\$638 68

Total debit		<hr/>	<hr/>	\$4,899 37
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Cleaning Streets.

CREDIT.

Transfer from Highways Maintenance account	\$22,929 92
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DEBIT.

Labor	\$19,376 98
Use of city teams	3,397 10
Tools	49 75
Repairs of tools	106 09

Total debit		<hr/>	<hr/>	\$22,929 92
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Care of Trees.

CREDIT.

Transfer from Highways Maintenance account	\$3,558 17
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DEBIT.

Removing trees	\$2,093 11
Trimming trees	863 05
Setting trees	387 41
Spraying trees for tussock moths	214 60

Total debit		<hr/>	<hr/>	\$3,558 17
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Suppression of Gypsy and Brown-Tail Moths.

CREDIT.

Appropriation	\$1,500 00
Transfer from Highways Maintenance account	586 72

Receipts:—

From sundry persons, removal of moths from trees	1,166 71
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Total credit		<hr/>	<hr/>	\$3,253 43
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DEBIT.

Expenditures:—

For labor	\$2,913 14
Use of city teams	137 20
Arsenate of lead	60 00
Creosote	8 84
Tools	8 70
Supplies	19 20
Repairing ladders	3 35
Books, circulars, and warning cards	63 00
Clerical work	40 00

Total debit	<u>\$3,253 43</u>
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Suppression of Elm-Leaf Beetle.

CREDIT.

Appropriation	\$800 00
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DEBIT.

Expenditures:—

For labor	\$252 83
Use of city teams	74 90
Arsenate of lead	346 00
Tacks, bolts, and nozzles	2 88
Printing warning signs	13 75
Cylinder oil	12 75
Gasoline	10 87

Total debit	<u>\$713 98</u>
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Balance unexpended	<u>\$86 02</u>
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Statement of Tools and Personal Property in the Hands of the Highway Department This Day.

Horses	\$7,975 00
Carts and implements used with horses	21,376 40
Steam road rollers	5,401 50
Stone crusher and fittings	1,766 75
Harnesses, horse clothing, and supplies	1,488 94
Stable utensils and property	601 87
Horse medicine	19 95
Hay, straw, and grain	628 40
Horseshoeing supplies	80 86
Blacksmith stock	270 11
Watering cart stock	278 79
Carpenter's stock	32 92
Paint stock	159 40
Tools	2,769 79
Street signs	71 00
Dynamite	10 71
Supplies for gypsy and brown-tail moth extermination	66 23
Supplies for elm-leaf beetle extermination	36 00

	<u>\$43,034 62</u>
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TABLE A.
Streets Constructed in 1911.

STREET.	FROM	TO	MATERIAL.	LENGTH IN FEET.	COST.
Ashland street . . .	(partial) Summer street . . .	Sartwell avenue . . .	Macadam . . .	. . . .	\$41 11
Ball square . . .	and adjacent sections of . . .	Broadway . . .	Vitrified brick block pavement . . .	424.3	4,775 45
Beacon street . . .	Buckingham street . . .	Washington street . . .	Macadam and tarvia . . .	1,000	4,771 57
Broadway . . .	(southwesterly side) Arthur street . . .	School street . . .	Macadam and tarvia . . .	2,060	9,353 72
Browning road . . .	Central street . . .	Sycamore street . . .	Macadam and tarvia . . .	679	1,524 49
Elm street . . .	Chester street . . .	Cutter avenue . . .	Vitrified brick block pavement . . .	389	3,029 05
Fremont avenue . . .	Bowdoin street . . .	Lincoln parkway . . .	Macadam and tarvia . . .	232	430 22
Grove street . . .	(partial) Highland avenue . . .	Morrison avenue . . .	Macadam . . .	. . . .	9 57
Holland street . . .	Davis square . . .	Irving street . . .	Vitrified brick block pavement . . .	682.2	5,178 78
Lovell street . . .	Broadway . . .	Electric avenue . . .	Macadam and tarvia . . .	385	854 10
Mallet street . . .	Willow avenue . . .	Liberty avenue . . .	Macadam and tarvia . . .	657	1,279 76
Merriam street . . .	Somerville avenue . . .	Charlestown street . . .	Macadam and tarvia . . .	510	721 09
Merriam street . . .	Washington street . . .	Somerville avenue . . .	Macadam and tarvia . . .	360	683 17
Mystic avenue . . .	Boston line . . .	Line of State taking, near Austin street . . .	Granite block pavement . . .	997	9,122 13
Parker street . . .	Washington street . . .	Fremont avenue . . .	Macadam and tarvia . . .	203	450 79
Teele square . . .	and adjacent sections of . . .	Broadway and Holland street . . .	Vitrified brick block pavement . . .	692.3	6,165 32
Walter street . . .	(partial) Walnut street . . .	about 100 feet north of Bradley street . . .	Macadam . . .	. . . .	16 15
West street . . .	Highland avenue . . .	Hawthorne street . . .	Macadam and tarvia . . .	192	333 50
Length in feet, and cost				9,462.8	\$48,739 97

TABLE B.
Streets Repaired.

STREET.	FROM	TO	DESCRIPTION OF WORK.	FEET.	COST.
Austin street.	Broadway	Mystic avenue (Southerly side westerly.)	Macadam	716	\$54 38
Broadway	Ball square	Liberty avenue (Southerly side easterly.)	Macadam	650	71 66
Broadway	Willow Bridge	Wilson avenue	Macadam	450	80 28
Dover street.	Davis square	Angle	Macadam	380	113 35
Franklin street	Broadway	Pearl street	Macadam and tarvia	1,025	1,575 01
Jaques street.	Temple street	Fellsway West	Macadam	1,182	203 56
Lincoln street	Broadway	Perkins street	Macadam and tarvia	550	1,113 37
Middlesex avenue	Mystic avenue	Boulevard (Southerly side.)	Filling	2,304	1,125 74
Somerville avenue	Carlton street	Kilby street.	Tarvia dressing	150	169 99
Walnut street	Bow street	Highland avenue	Macadam and "A" binder	3,338	5,081 52
	Gilman street	Broadway			
Length in feet, and cost				10,745	\$9,588 86

TABLE C.

Sidewalks Constructed Where the Materials Were Furnished by the City and One-half the Cost Was Assessed Upon the Abutting Estates.

STREET.	SIDE.	FROM	TO	FEET OF EDGE STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Ashland street.	Westerly	Summer street.	Sartwell avenue	497.1	....	....	\$620 02
{ Beacon street	{ Southwesterly	{ Forest street	{ Oxford street	....	....	266.1	526 11
{ Forest street.	{ Northwesterly	{ Beacon street	{ Cambridge line.	....	....	340.	437 75
Broadway	Northeasterly	Bristol road	Boston avenue	....	....	250.9	460 40
Broadway	Northerly	Pearson road	Bristol road	....	....	774.7	1,365 11
Broadway	Southerly	College avenue.	Wallace street	....	....	....	446 03
Broadway	Both	{ at approaches to	{ bridge over B. & M.	424.5	....	....	513 04
Bowdoin street	Both	Washington street	R. R. at North Somerville Station	....	449.8	....	400 56
Cedar street	Westerly	Spencer avenue	Lincoln park	....	....	281.3	137 39
Cedar street	Easterly	Highland avenue	Boston & Maine R. R.	....	121.5	....	304 32
Chapel street	Southwesterly	Cottage avenue	Hudson street	....	....	179.3	1,030 44
Chandler street	Both	Chapel street	Chandler street	....	....	666.8	95 13
Chandler street	Both	William street	Park avenue	....	71.6	....	464 05
Cleveland street	Southwesterly	Central street	Chapel street	....	....	310.2	1,163 14
Evergreen avenue	Both	Sycamore street	Harvard street	....	....	782.6	347 53
Fremont avenue	Both	Bowdoin street	Where not already laid to School street	417.	....	....	958 29
Grove street	Both	Highland avenue	Lincoln parkway	503.3	429.3	....	650 95
Hawthorne street	Northeasterly	Willow avenue	Where not already laid to Morrison ave.	....	....	379.1	771 87
Hawthorne street	Southwesterly	Willow avenue.	Cutter avenue	....	....	397.6	
			Cutter avenue	....	....	....
			Carried forward.	1,841.9	1,072.2	4,628.6	\$10,692.13

TABLE C.—Continued.

STREET.	SIDE.	FROM	TO	FEET OF EDGE-STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Highland avenue .	Southwesterly	Willow avenue .	Brought forward.... Where not already laid to Grove street }	1,841.9	1,072.2	4,628.6	\$10,692.13
Highland avenue .	Southwesterly	Cedar street .	Hancock street .	....	738.5	....	922.17
Irving street .	Northwesterly	Broadway .	Holland street .	....	455.4	....	581.52
Jay street .	Southerly	Holland street .	where not already laid to Howard street }	....	....	787.	1,229.50
James street .	Both	Pearl street .	Veazie street .	....	430.6	275.8	409.16
Kingston street .	Both	Thorndike street .	Cambridge Line sidewalk already laid }	....	....	....	506.76
Liberty avenue .	Both	Thorndike street s'y Broadway .	where not already laid to Hall street }	....	....	530.9	861.92
Linden avenue .	Both	Appleton street .	Powder House Ter. Mallet street .	1,928.1	....	1,297.5	4,027.77
Lovell street .	Northwesterly	Appleton street .	Summer street .	....	840.4	....	1,291.54
Mallet street .	Southeasterly	Elm street .	Electric avenue .	728.6	....	....	808.40
Medford street .	Westerly	Broadway .	Liberty avenue .	1,122.3	....	....	1,185.33
Medford street .	Westerly	Willow avenue .	Nos. 16 & 18 .	....	37.6	....	44.49
Merriam street .	Southwesterly	in front of estate in front of estate	No. 46 .	....	21.1	....	29.02
Merriam street .	Easterly	Washington street .	Somerville avenue .	....	253.1	....	298.00
Melvin street .	Both	Somerville avenue .	Charlestown street .	1,011.	....	....	897.67
Morrison avenue .	Both	Broadway .	where not already laid to Bonair street }	....	109.7	....	122.69
Mystic avenue .	Both	Cedar street .	Willow avenue .	2,336.	....	....	2,729.05
Mystic street .	Both	Boston Line .	Near Austin street .	914.2	....	....	1,037.24
	Both	Washington street .	Somerville avenue .	689.7	....	....	621.29
			Carried forward	10,571.8	3,958.6	7,519.8	\$28,295.65

TABLE C.—Continued.

STREET.	SIDE.	FROM	TO	FEET OF EDGE- STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Mystic street . .	Easterly . .	Mystic avenue . .	Brought forward . .	10,571.8	3,958.6	7,519.8	\$28,295.65
Norwood avenue . .	Both . .	Broadway . .	Est. Mary M. Shedd, Tr.	....	170.5	....	194.20
Oxford street . .	Southwesterly . .	Central street . .	Medford street . .	....	....	485.8	701.42
Partridge avenue . .	Northwesterly . .	Medford street . .	Hersey street . .	....	....	388.5	573.62
Pearson avenue . .	Both . .	Morrison avenue . .	Vernon street . .	....	601.3	....	923.53
Princeton street . .	Both . .	Alpine street . .	where not already laid to Boston ave.	....	....	407.4	828.45
Parker street . .	Both . .	Washington street . .	laid to sidewalk already laid	938.7	....	....	1,090.52
Pembroke street . .	Northeasterly . .	Sycamore street . .	Front avenue . .	419.6	....	....	388.19
Pembroke street . .	Southwesterly . .	Sycamore street . .	Central street . .	....	....	265.9	369.38
South street . .	Northerly . .	in front of estate . .	Central street . .	....	....	278.9	407.38
Stone avenue . .	Both . .	Columbus avenue . .	No. 5 . .	....	27.2	....	36.77
Summer street . .	Northeasterly . .	Cedar street . .	Prospect Hill Parkway where not already laid to Cherry street	....	....	118.2	226.26
Summer street . .	Northeasterly . .	in front of estate . .	No. 249 . .	....	....	317.5	530.00
Summit street . .	Southwesterly . .	Billingham street . .	College avenue . .	....	....	35.5	60.50
Sycamore street . .	Westerly . .	Pembroke street . .	sidewalk already laid	....	....	274.6	407.73
Temple street . .	Southerly . .	Jaques street . .	Bridge of B. & M. R. R.	....	....	174.1	275.45
Tennyson street . .	Northerly . .	Medford street . .	Sydney street . .	....	....	449.7	813.20
Thorndike street . .	Both . .	Kingston street . .	Pembroke street . .	....	....	276.	385.44
Trull street . .	Westerly . .	Medford street . .	Subway . .	....	....	172.2	237.52
Veazie street . .	Northeasterly . .	Walnut street . .	Vernon street . .	....	711.5	....	1,083.58
			Marshall street . .	....	...	403.7	570.99
			Carried forward . .	11,930.1	5,469.1	11,567.8	\$38,399.78

TABLE C.—Concluded.

STREET.	SIDE.	FROM	TO	FEET OF EDGE- STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Walter street . . .	Both . . .	Walnut street . .	Brought forward . .	11,930.1	5,469.1	11,567.8	\$38,399.78
Warwick street . . .	Both . . .	Cedar street . .	Mortimer place . .	960.2	....	....	1,091.42
Westminster street .	Both . . .	Broadway . . .	Warwick place . .	1,284.1	....	....	1,398.50
Washington street .	Southerly . .	in front of the estate	Electric avenue . .	....	....	516.9	762.08
West street . . .	Both . . .	Highland avenue .	Nos. 34 & 36 . .	....	65.3	....	78.53
Willow avenue . . .	Northwesterly .	Highland avenue .	Hawthorne street .	363.2	....	....	331.35
Winslow avenue . .	Both . . .	College avenue . .	Morrison avenue . .	....	....	374.4	694.60
			where not already laid to Clifton street }	1,419.5	....	....	1,309.48
			Total	15,957.1	5,534.4	12,459.1	\$44,065.74

TABLE D.
Gutters Paved in Connection with Setting Edgestones.

STREET.	Side.	From	To	Square Yards.	Cost.
Ashland street	Westerly	Summer street	Sartwell avenue	165.7	\$415.21
Broadway	Both	to bridge over railroad	at North Som. Station	141.5	256.28
Fremont avenue	Both	Bowdoin street	Lincoln Parkway	139.0	304.52
Grove street	Both	Highland avenue	Morrison avenue	167.7	435.90
*Liberty avenue	Both	Broadway	Hall avenue	642.7	1,438.85
Lovell street	Both	Broadway	Electric avenue	242.9	609.16
Mallet street	Both	Willow avenue	Liberty avenue	374.1	880.30
Merriam street	Both	Somerville avenue	Charlestown street	337.0	688.15
Morrison avenue	Both	Cedar street	Willow avenue	778.7	2,177.10
Mystic street	Both	Washington street	Somerville avenue	229.9	454.96
Parker street	Both	Washington street	Fremont avenue	139.9	294.84
Princeton street	Both	Alpine street	Sidewalk already laid	312.9	721.58
Walker street	Both	Walnut street	Mortimer place	320.1	604.30
Warwick street	Both	Cedar street	Warwick place	428.0	1,008.84
West street	Both	Highland avenue	Hawthorne street	121.1	290.39
*Winslow avenue	Both	College avenue	Clifton street	473.2	976.21
Total				5,014.4	\$11,556.59

*Where not already laid.

TABLE E.

Driveways Constructed at Expense of Abutters.

FOR	LOCATION.
William H. Berry	76 Benton road
Oscar H. Belding	182 Highland avenue
Anna B. Taylor Cole	Pinckney street
Andrew B. Hubbard	32 Banks street
Clarence V. Hadley	19 Oxford street
Albert M. Lang	98 Oxford street
John B. Lafrance	25 Kingston street
James F. McCarthy	24 Preston road
Ina M. Mitchell	30 Lowden avenue
Charles E. MacKay	Mallet street
Margaret L. Murphy	28 Mt. Vernon street
Charles E. Mongan	Cleveland street
Otto Olson	741 Broadway
Vernie F. Ordway	271 Willow avenue
Margaret D. Perry	8 Kenwood street
Ezra A. Phillips	152 Willow avenue
Louisa S. Peterson	29 Prichard avenue
Perfection Filler Co.	115 Broadway
Herbert A. Pasho	21 Browning road
Isaac Sexton	73 Berkeley street
Edgar A. Smith	45 Cedar street
Catherine White	269 Summer street

TABLE F.

Driveways Discontinued at Expense of Abutters.

FOR	LOCATION.
Joseph W. Cusolito	16 Medford street
Prospect Hill Church	131 Summer street

TABLE G.

Driveways Widened at Expense of Abutters.

FOR	LOCATION.
Alfred S. Hill	22 Grand View avenue
F. E. Viano	19 Dover street
Edwin E. Whitehouse	81 Jaques street

TABLE H.
Streets Accepted by the Board of Aldermen in 1911.

STREET.	WARD.	FROM	TO	WIDTH IN FEET.	LENGTH IN FEET.	ACCEPTED.
Conwell avenue . . .	7	Curtis street . . .	North street . . .	40	1,346	December 30, 1911
Dearborn road . . .	7	Boston avenue . . .	College avenue . . .	50	469	December 30, 1911
Fremont street . . .	5	Meacham street . . .	460 feet northeasterly	40	460	December 30, 1911
Garrison avenue . . .	7	Broadway . . .	Land of City of Camb.	40	460	December 28, 1911
Leland street . . .	2	Washington street . . .	Dane avenue . . .	40	359	December 30, 1911
Lowell street . . .	6	Summer street . . .	Crown street . . .	33	351	December 30, 1911
Prichard avenue . . .	6	Boston avenue . . .	Frederick avenue . . .	40	517	December 28, 1911
Shawmut Place . . .	1	Shawmut street . . .	Alston street . . .	30	190	December 28, 1911
			Length in feet . . .		4,152	

TABLE I.
Street Crossings Laid.

Bonair street, across same, at Mèlvin street.
Dane street, across same, at junction of Dane avenue and Village street.
Dane street, across same, at Washington street.
Grand View avenue, across same, at Vinal avenue.
Ibbetson street, across same, at Kimball street.
Kimball street, across same, at Ibbetson street.

TABLE J.
Street Opening.

Street opening, Beacon street, at Waldo avenue.

Length of Accepted Streets in Each Ward.

														Miles.
Ward	1	.	.	.	.	.	.	.	.	.	.	.	.	9.530
"	2	.	.	.	.	.	.	.	.	.	.	.	.	8.601
"	3	.	.	.	.	.	.	.	.	.	.	.	.	7.479
"	4	.	.	.	.	.	.	.	.	.	.	.	.	9.390
"	5	.	.	.	.	.	.	.	.	.	.	.	.	11.622
"	6	.	.	.	.	.	.	.	.	.	.	.	.	12.611
"	7	.	.	.	.	.	.	.	.	.	.	.	.	17.417
														<hr/>
Total length of accepted streets in the city														76.650

Respectfully submitted,
ASA B. PRICHARD,
Street Commissioner.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }
CITY HALL, SOMERVILLE, January 1, 1912. }

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—The work of the public buildings department during the year 1912 has been largely routine, and your commissioner has no report to make of any extraordinary happenings or incidents, but presents in this report a brief summary only of the every-day requirements and acts of the office organization.

Improvements have been made to several of the public buildings during the year which are mentioned especially later in the report.

The organization of the office of the building department consists, in addition to the commissioner, of an assistant assigned especially to the work of the plumbing inspection, one office assistant whose duties are confined to the clerical work of the department, and one assistant, draughted from the janitor service and assigned to supervise the work of the janitors of all public buildings and to inspect the buildings at regular intervals with special reference to the hygienic and sanitary condition and cleanliness.

In the employ of the public buildings department there are thirty-seven men acting as janitors of public buildings. This city has been very fortunate in having in its employ as janitors a class of men, the personnel of which, I believe, is far beyond the average. These men as a rule are faithful to duty, obliging and courteous, in spite of the fact of their strenuous and varied duties.

All of our public buildings are well cared for and kept in a clean and sanitary condition. To these janitors and their supervisor is due all of the credit for this condition.

All matters relating to the purchase of supplies, carrying out of changes of construction, or renovating of the public property, except those of minor importance, are attended to personally by the commissioner.

The inspection of all buildings in the course of construction is also personally performed by the commissioner.

We do not claim for our organization in the public buildings department any special commendation, but I believe that with the perfect harmony which prevails at all times we are doing our part, with some degree of success, in trying to conduct the affairs of a municipality of which there is no better, and

which is recognized everywhere as a city well administered, clean, attractive to the citizen and good to look upon.

Inspection of Buildings.

The commissioner of public buildings is also the inspector of buildings according to the terms of the charter, and as such during the year 1911 has made 1,625 formal inspections of buildings in the course of construction.

The following table shows the number of permits issued for building operations during the year 1911:—

Buildings.	WARDS.							Totals.
	1	2	3	4	5	6	7	
Dwellings	22	41	32	38	50	46	84	313
Stores	4	3	1	2	4	6	5	25
Stables		1			1	1		3
Shops	2	2				1		5
Manufactories . .		1		3		1	1	6
Miscellaneous . .	5	5	3	7	1	7	1	29
Halls				1				1
Concrete	3	1	1		1	1	2	9
Brick	1	1	1	1	1	1	2	8
Steel						1		1
Iron							1	1
Glass							1	1
Total	37	55	38	52	58	65	97	402

The number of plumbing permits issued during the year was	424
Permits for plumbing in new buildings	228
Permits for plumbing in old buildings	196
Number of buildings in which soil pipes were tested	371

The total number of permits issued during the year, viz., 402, was sixty-four more than during the year 1910, when 338 permits for new buildings and alterations were issued. The total cost of the new buildings and alterations during the year 1911 was \$935,478.00, while the cost in 1910 was \$930,860.00, showing an increase of \$4,618.00.

Additional Accommodations City Hall

On June 19, 1911, an appropriation was made and the work authorized for the construction of additional committee rooms on the third floor of the City Hall. The space utilized for this purpose was an unused attic. After plans and specifications had been prepared by the commissioner of public buildings, estimates were received and opened by his honor the mayor on July 27, 1911, as follows:—

A. M. Pride	\$2,749 00
J. E. L. McLean	2,720 00
E. N. Hutchins	2,696 00
J. E. Locatelli Company	2,334 00
Arthur W. Berry	1,995 00

The contract was awarded to the lowest bidder, Arthur W. Berry.

The work has been completed and the additional room afforded by the change is being used by the legislative branch of the city government, and the aldermanic committees may now attend the hearings and committee meetings without interruption.

Girls' Trade School.

The dwelling house which was purchased by the city on land adjacent to the Carr school building was remodeled and renovated to provide quarters for a girls' trade school.

This building was opened for school purposes on October 16, 1911.

An entirely new system of plumbing was installed and the heating plant thoroughly overhauled. Many interior changes were made in the arrangement of rooms, and the building put in first class condition for the trade school use.

City Home Addition.

The problem as to how to care best for the sick inmates of the City Home was solved by the plan to erect an addition to the present buildings. Plans of such a structure were prepared by the commissioner of public buildings, and after advertising in the public press, estimates were received and opened publicly in the office of his honor the mayor on December 15, 1911. The estimates received were as follows:—

Clark & Lee Company	\$7,697 00
McDonald & Kivell	7,072 00
John E. Locatelli Company, Inc.	6,820 00
A. M. Pillsbury	6,474 00
Daniel L. Shepard	6,313 00
J. Edward L. McLean	6,185 00
A. M. Pride	6,116 00
Martin Brothers	5,810 00
Arthur W. Berry	5,760 00

The contract was awarded to Arthur W. Berry, who was the lowest bidder. The work of construction was begun at once and at the present time is progressing satisfactorily.

This building when completed will connect with the present home by a corridor, will be two stories in height, and in size will be 60 feet 6 inches by 26 feet.

The first floor of the new building will be devoted to the hospital needs of the home and is divided into eight rooms for patients, with the necessary toilet and other facilities.

The second floor will be devoted to the use of the women of the house as sleeping quarters.

The completion of this building will provide such improved accommodations to the City Home as have been needed for a long time and will add greatly to the comfort of the old people who are residents there.

Branch Libraries.

Two permanent branch reading rooms were established during the year 1911 and quarters provided for them at East Somerville and Union Square.

The East Somerville Branch was established at 153 Perkins street, in a room which the city rented for the purpose. This room was thoroughly overhauled, painted, repaired and finished as requested by the library trustees, in such a manner as to make it a comfortable and suitable room for the purposes intended.

For the Union Square Branch a room in the Prospect Hill school building was selected. This room has been so fitted and furnished as to provide a very comfortable reading room and distributing station.

S. Newton Cutler School.

On May 11, 1911, an order was passed by the board of aldermen and on May 12, 1911, was duly approved by his honor the mayor, authorizing the construction of a grammar school building on Powder House boulevard.

Plans and specifications were prepared for this building by the commissioner of public buildings and were approved by his honor the mayor. Advertisements were inserted in the Somerville and Boston papers requesting that estimates be delivered at the office of the commissioner not later than September 8, 1911.

On this date, in response to the request there were received in sealed envelopes sixteen estimates. These estimates were opened by his honor the mayor in the presence of the bidders in the aldermanic chamber. The estimates were as follows:—

A. M. Pride	\$74,350 00
A. H. Hines	68,775 00
The Clark & Lee Company	67,997 00
J. J. Powers	66,915 00
Driscoll & O'Brien	61,717 00
Vroom Brothers Company	61,509 00
Joseph M. Dolan	59,917 00
Walsh Brothers	58,764 00
Daniel L. Shepard	57,997 00
C. S. Cunningham & Sons Construction Company	57,945 00
Louis B. Cadario	57,771 00
F. C. Alexander	57,458 00

J. E. Locatelli Company	\$57,000 00
H. S. Libbey & Co.	56,862 00
M. M. Dyer	54,494 00
A. B. Murdough	52,559 00

The contract was awarded to Albert B. Murdough of Watertown, Mass., who was the lowest bidder, for the sum of \$52,559.00.

As soon as possible after the award was made the construction work was started and has progressed steadily to such an extent that the second floor is now entirely covered in and it is expected that by April 1, 1912, the roof will have been completed.

The building as designed is to be three stories in height, and will contain fourteen classrooms of regulation size and will accommodate seven hundred pupils. Entrances are provided at each end and at the front of the building.

All of the classrooms in this building are so arranged that the light will come in from one side only, thus affording what is expected to be a very satisfactory system of lighting. Each classroom is provided with a spacious coat-room so located as to be convenient for the purpose intended.

Toilet facilities are to be provided in the basement and on each floor for both boys and girls.

The basement is to be used for the heating plant, play-rooms, ventilating apparatus, and miscellaneous storage space.

It is hoped that it will be possible to install in this building a vacuum cleaning plant, an electric clock system, and automatic temperature control, all of which are valuable assets to a well equipped school building.

This building is so designed as to be the beginning of a comprehensive plan which, when eventually completed, will provide for a school centre containing twenty-four classrooms and an assembly hall with a capacity of twelve hundred persons, and which would be the largest of the school buildings in the city except the high school.

Vault Fittings.

In compliance with an order adopted May 11, 1911, and approved May 12, 1911, by his honor the mayor, estimates were requested of several firms for furnishing and installing steel fittings for all of the city's security vaults.

The estimates as opened in the office of his honor the mayor on April 13, 1911, were as follows:—

The Van Dorn Iron Works Company	\$4,100 00
Library Bureau	3,395 00
Office, Bank & Library Company	3,263 00
Art Metal Construction Company	2,390 00
The General Fireproofing Company	2,345 67

The contract was awarded to The General Fireproofing Company, which company was the lowest bidder.

These vault fittings have been completed and all of the city's vaults now comply with the state requirements as to the keeping of municipal records.

Additional Window Space.

An appropriation was made December 15, 1910, to be used for providing additional window space in school buildings where additional light was needed for school work.

During the summer of 1911 this work was started in the Prescott school building. Twelve additional windows were constructed in this building providing additional lighting area in each classroom. These additional windows have made these classrooms much lighter and have already proved of much value. This building was the only one in which additional windows were installed during the 1911 vacation, but it is intended to continue this work during the summer of 1912 in at least two more of the school buildings where additional light is needed.

Police Building.

Extensive changes were made in that portion of the police building occupied by the judge and the clerk of the police court. Plans of these changes were prepared by the commissioner of public buildings and estimates received and opened by his honor the mayor on June 5, 1911.

The contract was awarded to the lowest bidder, Arthur W. Berry.

A commodious fire-proof vault was constructed for the use of the clerk of the court, affording a safe place for the storage of the court records.

The offices of the judge and the clerk were remodeled so as to provide more room and better light for these departments.

By making these changes the city has arranged with the officials of Middlesex county to receive an increased rental which is sufficient to take care of the interest on the investment.

Respectfully submitted,

WALTER T. LITTLEFIELD,

Commissioner of Public Buildings.

REPORT OF THE COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }
January 1, 1912. }

To the Honorable, the Mayor, and the Board of Aldermen of
the City of Somerville:—

Gentlemen:—I most respectfully submit my third annual report as commissioner of electric lines and lights for the year ending December 31, 1911.

The work of the electrical department consists of the following:—

Inspection of electrical wiring in buildings.

Construction, maintenance, and operation of the fire and police alarm systems.

Supervision and inspection of poles and wires on the streets, underground conduits and wires, and street lighting.

Inspection of Wiring in Buildings.

The inspection of interior wiring for light, heat, and power is of great importance and has been given the most careful attention.

Every endeavor is made to have all work done in a perfectly safe manner, and the rules and requirements, which are made for the guidance of wiremen doing work in the city, are strictly enforced.

Notifications of all work done must be sent to this department, and owners and occupants of buildings using electric current should insist that all electrical work, no matter how small, be inspected and approved before accepting or using the same, as the only protection they have against inferior workmanship is the inspection department.

The danger from fire, resulting from the imperfect installation of wires and fittings, is great and is not readily understood by the general public.

Approved electrical fittings intended to lessen the fire hazard have been placed on the market from time to time, but are of no great advantage unless properly installed.

The revision of the city ordinances in regard to interior wiring, whereby no electrical work can be done in a building in process of construction until all gas, heating, and plumbing pipes have been installed, has added greatly to the safety of electrical installations.

A number of defective installations were remedied during the year, but there are still places where conditions can be improved.

Number of notifications of new work received	717
Number of inspections of new work	717
Number of re-inspections of new work	578
Number of inspections of old work	125
Number of defective installations of old work	20
Number of defective installations remedied	12
Number of re-inspections of old work	40
Total number of inspections	1,460
Number of permits issued to the Edison Electric Illuminating Company for installing meters, lamps, etc.	531
Number of incandescent lamps	6,751
Number of arc lamps	4
Number of motors	66
Horse power of motors	259

Construction, Etc., of the Fire and Police Alarm Systems.

FIRE ALARM SYSTEM.

This system, although giving good service during the year, should be replaced, when practicable, with a modern system, installed in a separate fireproof building, as the present quarters are not fit for a delicate and expensive fire alarm equipment.

The usual monthly inspections of the signal boxes and apparatus have been maintained and very little trouble has been found.

There have been 253 alarms transmitted during the year.

The fire alarm equipment consists of the following: 121 signal boxes, one eight-circuit automatic repeater, eight tower strikers, thirty-one gongs, nine indicators, forty-six tappers, one automatic steam whistle, twelve private telephones connecting the various stations, 510 cells of storage battery, about 142 miles of overhead wire, and 38,711 feet of underground cable.

One new signal box has been added during the year:—

Box 157, Boston and Maine Railroad Mystic River shops.

Three new boxes have been purchased and will be installed soon, namely:—

Box 72, North street, corner of Conwell avenue.

Box 73, Dearborn road, corner of Bromfield road.

Box 342, Bradley street, corner of Walter street.

Two new boxes have been purchased to replace two of the old-style unreliable boxes.

There has been run 22,060 feet of new No. 10 triple-braid-covered wire and 8,780 feet of old has been removed.

Four thousand nine hundred and ninety feet of new twisted pair has been run for telephones, etc., and 5,500 feet of old has been removed.

Eight thousand nine hundred and seventy-nine feet of lead-covered cable, consisting of two, four, six, ten, fourteen, twenty, and twenty-six conductors, has been placed underground on Highland avenue from Walnut street to Cedar street, and the old overhead wire is to be removed.

Connections have been made with Arlington, whereby an interchange of alarms and apparatus is effected.

Somerville now receives all alarms from Boston, Cambridge, Medford, and Arlington, and Somerville alarms are transmitted in return.

POLICE SIGNAL SYSTEM.

The police signal system has received its usual attention, and I again call your attention to its very poor condition in spite of the constant repairing which it receives.

This system is important, as it is necessary that officers on their routes shall be in communication with the station at all times.

This is not always possible with the present worn-out system, and it is important that a modern up-to-date system be installed.

Supervision of Poles and Wires on the Streets and Underground Conduits and Wires.

The same careful attention has been given to the condition of poles and wires on the streets as in previous years.

A large number of defective poles have been replaced by the companies owning same on notification.

New poles have been placed in locations granted for the purpose of supplying light and telephone service.

	New Poles.	Re- placed.	Re- moved.	Re- set.
New England Telephone & Telegraph Co.	16	41	5	2
Edison Electric Illuminating Co.	31	171	13	19
Boston Elevated Railway Co.		1		2
Permits given to New England Telephone & Telegraph Co. for attachments to Edison Electric Illuminating Co.'s poles . . .				646
Permits given to Edison Electric Illuminating Co. for attach- ments to New England Telephone & Telegraph Co.'s poles, . .				34

The New England Telephone and Telegraph Company has built conduits on Elm street from Chester street to Oak square for the purpose of placing its wires underground and removing overhead wires, and has also enlarged the conduits on Pearl street from Bradley street to Marshall street.

This company has removed its overhead wires on the Webster-avenue bridge and part of its wires on Holland street and College avenue.

The Edison Electric Illuminating Company has built conduits on Webster avenue, and has placed its wires underground and removed its overhead wires, also part of the wires on Broadway from Teele square to the Arlington line.

The Boston Elevated Railway Company has built underground conduits on Broadway and North street and connecting with Medford, for the purpose of running a high-tension power line to furnish power for its sub-stations.

Street Lighting.

The matter of street lighting has been given careful attention, and a number of changes have been made in the kind of lamps and the location of the same.

A number of arc lamps have been replaced with incandescents of forty- and 100-candle power, which not only reduces the cost of lighting, but distributes the light more evenly.

The lamps on Broadway are to be replaced with magnetite lamps, which are double the candle-power of the present arc lamps, and will give a finely-lighted thoroughfare through the city.

There are a large number of new streets in the western part of the city which have no lights whatever, and the location of lights in said streets should be attended to as soon as practicable.

	Arcs.	Incandescents.	
		40 c. p.	100 c. p.
Number of street lights January 1, 1911	494	725	
Number of street lights added, 1911	7	38	13
Number of street lights discontinued, 1911	33	7	
Number of street lights December 31, 1911	468	756	18

Electrical Department.

CREDIT.

Appropriation	\$8,500 00	
Edison Electric Illuminating Co.	250 00	
William T. Crotty, cutting wires, etc.	21 00	
Total credit		\$8,771 00

DEBIT.

Salaries	\$5,770 90	
Fire alarm system	1,741 86	
Police signal system	892 64	
Inspection of electrical work	369 04	
Total debit		\$8,774 44
Amount overdrawn		\$3 44

Underground Construction.

CREDIT.

Appropriation	\$4,000 00	
Balance unexpended, 1910	269 37	
Total credit		\$4,269 37

DEBIT.

Labor	\$761 40	
Materials	2,430 60	
Total debit		\$3,192 00
Balance unexpended		\$1,077 37

Street Lighting.

CREDIT.

Appropriation	\$51,000 00
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DEBIT.

Edison Electric Illuminating Co.	\$54,508 64
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Amount overdrawn	\$3,508 64
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Recommendations.

I respectfully recommend that:—

The police signal system be replaced immediately by a modern open circuit system.

The matter of providing suitable headquarters for the fire alarm system be considered.

The present fire alarm system be replaced by a modern system when such suitable quarters are provided.

Conclusion.

I wish to thank his honor, the mayor, the members of the board of aldermen, and the several departments for courtesies received, and the members of this department for the faithful performance of their duties.

Respectfully submitted,

WALTER I. FULLER,

Commissioner of Electric Lines and Lights.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

Location : Somerville City Hall (near centre of the city) is $2\frac{3}{4}$ miles northerly from State House in Boston.

Greatest extent of the City north and south about 4.2 miles.

Greatest extent of the City east and west about 2.1 miles.

Elevation Highland avenue at City Hall 105 feet above mean low water.

Lowest building elevation in the city 13 feet.

Highest building elevation in the city 145 feet.

Area of city, including land and water, about 4.22 square miles.

Land, 2,461.50 acres : water and marsh, 238.50 acres.

Population, census, 77,236.

Entire population on line of pipe and supplied with water.

Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply : Metropolitan system, taking water of the Nashua river at Clinton, Mass.

Range of pressure on street mains :

Low service 35 to 65 pounds.

High service 45 to 100 pounds.

Mayor

HON. CHARLES A. BURNS.

Water Commissioner

FRANK E. MERRILL.

Office of the Water Department,

Room 10, City Hall.

Department Buildings and Yard,

Cedar street, near Broadway.

REPORT OF THE WATER COMMISSIONER.

OFFICE OF THE WATER COMMISSIONER, }
January, 1912.

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1911, this being the thirty-eighth annual report of the water department, and my twelfth as water commissioner:—

Receipts and Expenditures.

Water bills have been issued as follows:—

"Annual" water charges, amounting to	\$90,713 70
"Additional" water charges, amounting to	4,317 86
"Metered" water charges, amounting to	134,006 01
	<hr/>
	\$229,037 57

	Annual and add'l.	Metered.	
Abatements on above charges	\$1,216 00	\$773 95	
Refunds on above charges	403 00	72 48	
Abatements on 1910 charges		17 90	
	<hr/>	<hr/>	
	\$1,619 00	\$864 33	2,483 33

Income from sale of water	\$226,554 24
Amount received from water service assessments	\$4,200 44
Amount received for labor and materials	12,503 07
	<hr/>
	16,703 51

Total income of water works \$243,257 75

This amount was used as follows:—

For water works purposes:—

Water works maintenance	\$27,203 93
Water works extension	10,739 45
Miscellaneous accounts	16,703 51
Interest on water loan bonds	1,980 00
Maturing water loan bonds	6,000 00
Metropolitan water works assessment	115,094 29
	<hr/>
	\$177,721 18

For other municipal purposes:—

Sewers, maintenance	\$13,000 00
Fire department	50,000 00
Public Buildings department, maintenance of water buildings	806 33
Reduction of funded debt	1,730 24
	<hr/>
	65,536 57
	<hr/>
	\$243,257 75

In addition to the appropriations from water income to other municipal purposes enumerated above, water has been furnished without charge to all the city departments that have

required its use, and it is paid for out of the income from sale of water.

Department Receipts and Disbursements.

WATER MAINTENANCE ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from water income		\$25,000 00
Amount transferred from Water Works Extension account		6,000 00
Sundry accounts for labor and materials		12,472 62
Materials used in extension of the water works		11,060 82
Amount expended for labor and materials for operation, maintenance, and renewal of the water works	\$27,203 93	
Amount expended for materials used in extension of the water works	11,060 82	
Miscellaneous accounts	12,472 62	
Transferred to Water Works Extension account	3,239 45	
Unexpended balance	556 62	
	<hr/>	<hr/>
	\$54,533 44	\$54,533 44

WATER WORKS EXTENSION ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from water income		\$13,500 00
Amount transferred from Water Maintenance account		3,239 45
Receipts from water service assessments		4,200 44
Receipts from waterpost services		30 45
Amount expended for labor and materials used in extension of the water works	\$10,739 45	
Miscellaneous accounts	4,230 89	
Amount transferred to Water Maintenance account	6,000 00	
	<hr/>	<hr/>
	\$20,970 34	\$20,970 34

Cost of Water Works.

The total cost of the water works on December 31, 1910, as represented by the expenditures from appropriations for water works extension was	\$933,818 89
Expended during the year 1911, on extension account	10,739 45
Total expenditures, December 31, 1911	<hr/> \$944,558 34

Water Debt.

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000; this has been reduced by \$973,000, leaving the water debt on December 31, 1911, \$44,000.

The outstanding bonds mature as follows:—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1912	\$6,000	1917	\$5,000
1913	6,000	1918	5,000
1914	6,000	1919	4,000
1915	5,000	1920	2,000
1916	5,000		

Water Works Income from 1898 and its Distribution.

The water income and its distribution from 1898 to 1911, inclusive, is shown in the following table:—

Total water income, years 1898 to 1911, inclusive . . . \$3,127,902 35
Distribution:—

Water Works Account.

Water Works Construction, Renewal,	
Maintenance and Operation	\$754,511 09
Water Bonds	230,000 00
Interest	78,795 00
Metropolitan Water Assessments	1,087,625 26
	<hr/>
	\$2,150,931 35

Other Municipal Accounts.

Sewers	{ Construction	\$117,035 65	
	{ Maintenance	147,450 00	
	{ Bonds	72,000 00	
	{ Interest	58,792 00	
	{ Assessments	31,000 00	
		<hr/>	\$426,277 65
Fire Department, Maintenance			378,026 33
Health Department, Maintenance			7,500 00
Suppression of Moths			1,000 00
Reduction of Funded Debt			161,571 61
Unappropriated Balances			1,789 08
Public Buildings Department, Maintenance Water Buildings.			806 33
			<hr/>
			\$3,127,902 35

Water Distribution.

STREET MAINS.

As shown in the insert table accompanying this report, there has been laid during the year 6,409 feet of street mains, 179 feet of hydrant connections, 137 feet of blow-off pipes, and thirty-seven feet of waterpost services, a total of 6,762 feet. There has been removed or abandoned a total of 2,924 feet, making a net increase of 3,838 feet in the pipe mileage of the city, which now reaches a total of approximately 95.83 miles.

The sizes and lengths of pipe laid and abandoned are as follows:—

Size.	Feet Laid.	Abandoned.	Size.	Feet Laid.	Abandoned.
2"	415	0	10"	705	293
4"	90	219	12"	1,130	758
6"	2,153	405	16"	101	137
8"	1,248	230	20"	920	882

The heaviest pipe work of the season has been in connection with the grade crossing elimination in Webster avenue. This work involved much study, and included the reconstruction of the twenty-inch pipe line in Webster avenue and Newton street east, and of smaller mains in Newton street west, Clark street, Concord avenue, Prospect street, Emerson street, Everett street, and Webster avenue. New mains were laid and portions of the old mains were raised to conform to the new grades established for these streets, and new service connections were laid to all the houses within the area affected by the changes of street grades.

The length of new main pipe laid in place of that which it was deemed inexpedient to raise on account of the cost and impairment of the service was as follows: Six-inch, 404 feet; ten-inch, 395 feet; twelve-inch, 1,130 feet; sixteen-inch, 101 feet; twenty-inch, 920 feet; total, 2,950 feet. There were also laid sixty-six feet of hydrant branches and 137 feet of blow-off pipes.

The number of gates set in connection with this work was thirty-seven, and the number of hydrants nine; there were ten blow-offs installed. Eleven gates were removed or abandoned in their old locations, and seven hydrants were removed.

The number of house services laid on this work was forty-six, and contained 200 feet of five-eighths-inch, 1,494 feet of three-fourths-inch, 239 feet of one-inch, and sixty-three feet of two-inch pipe, a total of 1,996 feet. Five service pipes were permanently discontinued on account of removal of the buildings.

All the pipes, gates, hydrants, and service stock were furnished by the water department, and were installed by our own employees without impairment of the fire or domestic service during the whole period covered by the extensive changes made in the streets.

The trench work and mason work were for the most part done by the general contractor for the grade-crossing changes. A bill has been rendered and paid covering the larger portion of the cost to the water department of this work, and the final settlement will be made when the work is fully completed.

Street mains have been laid in other parts of the city as needed to keep pace with land and building developments, principally in the following streets: Belmont square, Conwell avenue, Harold street, Hillsdale road, Kenneson road, Lowell circle, Line street, Waldo avenue, West Adams street, and Whitman street.

Mains have also been laid on account of needed service

improvements in Kilby street, McGregor avenue, and Parker place. A connection was made with the Holland-street main for Buena Vista road, in anticipation of the permanent paving of Holland street.

Trench work, excavating, and backfilling for water pipes has been done by contract labor in the following streets:—

Street.	Feet of Trench.	Cu. Yards Rock.	Contractor.	TRENCH WORK.		Total Cost of Trench Work.	Average Cost per foot of Trench Work.
				Earth. Lin. Ft.	Rock. Cu. Yd.		
Belmont Sq.	233	7	J. H. Fannon	.35	2.50	99.05	.425
Harold St. .	350	..	" "	.25	..	87.50	.25
Line St. . .	426	..	" "	.35	..	149.10	.35
W. Adams St.	735	41.8	" "	.35	2.50	361.75	.492

Pipes and other stock required were furnished, and all the pipe laying was done by the water department.

Hydrants, Gates, etc.

Including the work in connection with the grade-crossing elimination at Webster avenue there have been thirty-six hydrants set and nineteen removed, making a net increase of seventeen, and a total in the city service of 1,082.

One hydrant has been set in the yard of the water department; this, with the two in the highway department yard, adds three to the number classed as private hydrants, making the total number thus installed fifty-eight.

In all, there have been set during the year sixty-two gate valves and twelve have been removed, the net increase being fifty, and the number now in the distribution system 1,519.

A card system is being prepared, showing, in a form handy for reference and use, the locations of all the gates in the city.

Ten blow-offs have been installed and one waterpost set for street watering; the number of blow-offs in service is now 152, and the number of waterposts is eighty-three.

The drinking fountain has been removed from Lincoln park, as the construction of a recreation building there has made it no longer needed. On account of the removal of the reservation in Teele square and the large amount of railway traffic through the streets centring there, it was deemed advisable to remove the horse trough which has stood in that square for many years, and this was accomplished before the permanent paving was laid. The number of drinking fountains and troughs now in the city is six.

Water Services.

A considerable increase is shown in the number of new services installed, the number laid during the year being 235, a gain of sixty-three per cent. over the previous year. The com-

The meters installed in 1911 were classed as follows:—

Applications of property owners	265
New services	200
General installation	263
Reset	42
Total	770

Meters were removed for the following causes:—

Vacancies and temporary non-use of water	38
Services permanently discontinued	4
Replaced by other meters	12
Total	54

Under the provisions of the Metropolitan Water Act it is necessary that there be installed in this city at least 411 meters each year on services previously unmetered, and meters on all new services when they go into regular use. The number of meters set during the year in excess of the actual requirements of the state law was 117.

The following table gives a summary of the pipes and fixtures of the water system December 31, 1911:—

Summary of Pipes and Fixtures.

Feet of main pipe (approximately)	505,989
Feet of service pipe (approximately)	424,954
Service connections (approximately)	12,357
Public fire hydrants	1,082
Private fire hydrants	58
Gates	1,519
Check valves	7
Meters	6,526
Motor registers	7
Waterposts	83
Blow-offs	152
Drinking fountains and troughs	6

MAINTENANCE AND OPERATION.

Accounting.

The net receipts from water income for the last year were \$226,554.24, the largest in the history of the department; of this amount \$93,412.56 was derived from "annual" and "additional" rates, and \$133,141.68 from "metered" rates.

Bills on water service account to the amount of \$4,200.44, and for pipe, materials, and labor furnished on the grade-crossing elimination work and for various and numerous other purposes to the amount of \$12,503.07 have been rendered and been paid, in addition to the water income bills. It is estimated that 35,000 bills are now annually made and delivered by this department, and as each bill has to go through its individual and varied processes of record, the bookkeeping and

accounting department has grown to be a very important branch of the water works.

The amount expended for labor and materials for operation, maintenance, and renewal of the water works appears \$2,801.77 greater than that of the previous year; this is accounted for by expenditures from the department appropriation for work done on the Webster-avenue crossing, which has not yet been paid for, but which amounts to a sufficient sum to eliminate this excess when the account is settled.

Street Mains.

The street mains have given us no trouble during the year, and the unusual statement may here be recorded that on our ninety-six miles of mains there have been no breaks or leaks discovered.

To show the varied work done by the department the following summary is given of the "maintenance" items turned in by the foremen:—

Main Gates.

One gate has been removed and replaced; ninety-four have been packed and oiled; three gate boxes have been replaced; twelve have been reset; and twenty-two have been brought to the proper street grade.

Hydrants.

Ten hydrants have been replaced; twenty-two reset; twelve repaired; 4,419 inspected; seventy-three hydrants opened to blow off street mains.

Waterposts.

Turned on for use, eighty-two; turned off, eighty-two; repaired, sixty-seven.

Services.

Replaced services wholly or partly at owner's expense, sixty; replaced at city's expense, forty-eight; repaired service leaks at owner's expense, twenty-six; repaired at city's expense, 102; thawed services at owner's expense, eight; thawed at city's expense, two; cleaned services inside premises at owner's expense, 114; cleaned by wiring, thirty-two; cleaned at connection with main, 341; closed at main and abandoned, twenty-seven; turned off for non-payment, seventy; turned off for vacancy, seventy-five; turned on for occupancy, seventy-five; turned off and on for repairs, 209; new gates set on old services, seventeen; cleaned out and reset service boxes, 159; raised service boxes to proper grade, 801; lowered boxes to proper grade, 5,048; located buried boxes, thirty-nine; filled settled trenches, 460; unclassified, 641; total, 8,354 jobs.

Meters

Meters replaced permanently, eleven; removed permanently, three; removed for non-payment, two; removed for testing at owner's expense, ten; removed for vacancy, twenty-six; removed for damages at owner's expense, twenty; removed for damages at city's expense, three; reset meters for occupancy, twenty-six; reset for convenience, fifteen; reset repaired meters, 235; repaired meters at owner's expense, thirty-one; repaired meters at city's expense, 204; minor repairs made to meters at premises, seventy-seven; set new tile boxes, twelve; changed from wooden to tile boxes, six; tile boxes removed, two; wooden boxes replaced, two; meters changed from inside to tile boxes, two; repaired meter box covers, twenty; set meter connections, twenty-nine; total, 781 jobs.

All meters found out of order during the year have been repaired in our department shop by our own workmen. The number covers about four per cent. of the entire meter installation and the defects come under the following classifications: Broken disks, fifty; defective registers, sixteen; defective gear trains, thirty-five; freezing, forty-one; hot water, ten; dirt, sediment, and similar obstructions, thirty-seven; miscellaneous defects in gears, spindles, screws, etc., inside the meters, seventy-three; noisy meters, twelve; a total of 274.

Service Maintenance.

As the house service pipes increase in number and in age it is naturally to be expected that this branch of the distribution system will demand a considerable share of our attention in the future for its proper maintenance and renewal. The requirements in this direction during the past year have, however, greatly exceeded anything previously experienced; the demands on our working force for the relief of services suffering from "poor pressure" having at times been almost overwhelming. Practically all the cases have now been cared for, and it is hoped that our service maintenance division will be able to give prompt attention to all complaints that may hereafter be entered.

It is a matter of much importance that the water services be thoroughly inspected, and renewed when desirable, in all streets that are to be permanently paved. The primary outlay for such work might be considerable, but ultimately it might prove an economic expenditure, as the cost of digging up and repairing such streets is considerable, and it would seem wise that an amount should be included in the department appropriation to cover the cost of such work of that nature as may be anticipated at the beginning of the year. Should this not appear practicable at the time the yearly appropriations are

fixed, then some arrangement for needed funds should be provided at the time the work is at hand.

Buildings and Grounds.

One of the crying needs of the department has been remedied during the year by the erection of a fence enclosing the yards of the water and highway departments, affording needed protection to the department property; another improvement has been the relocation of the railroad siding, which now enters the yard enclosure, giving greater security to the consignments, better access to the freight cars, and increased facility for unloading. One-half the cost of the fence was paid from the water department appropriation, and the other half by the highway department.

A new fire hydrant has been installed in the water department yard for the better protection of the buildings.

It was found necessary to retube the boiler of the emergency pumping plant, which is used for heating the buildings, and the expense of this work has been paid from the department appropriation.

Minor repairs have been made to the buildings by the public buildings department, but there is need of a considerable outlay to put and keep them in proper condition.

Department Efficiency.

While much credit is due to the department employees for their willingness to respond to calls for their services out of the regular working hours and for their constant devotion to the interests of the city, there is little doubt but that the efficiency of the department could be increased if one or two of the skilled men lived in proximity to the water works yard, so that their services with teams could be more quickly obtained in emergency cases. The difficulty of obtaining the men at long range in the night time has been manifest on several occasions, and some criticism has been made of a seeming delay in attending to night calls. With the skilled men, who are depended upon for emergency cases, living at a considerable distance from headquarters, however, rapid service in the night cannot well be obtained.

To remedy this I recommend that a two-apartment dwelling house of pleasing architectural construction and with modern improvements be erected on the department grounds between the present buildings and Cedar street, to be occupied by suitable employees of the department who can be relied upon to respond quickly to calls made outside the regular hours of service, and who can also have oversight of the place during the period between working hours.

An extension of telephone service to the houses of several of our foremen would, no doubt, be helpful in obtaining

quicker service than at present, and I recommend that two such telephones be at once installed for use until other arrangements can be perfected.

Teaming Equipment.

Two of the horses employed in our teaming work have died during the year from old age and disease, and one has become a resident of Red Acre Farm in Stow, Mass., having become unfitted for further work on the city streets through a lameness. No new horses have been purchased, but the acquisition has been made of a gasoline motor truck, made by the International Harvester Company, which is doing effective work. We now have but four horses engaged in our department work, and it is hoped to gradually supplant these with motor equipment, as better results are obtained than with animal service.

Water Assessments and Consumption.

The annual assessments paid by this city as its proportionate part of the cost and operation of the metropolitan water works are given below:—

Year.	Sinking Fund.	Maintenance.	Interest.	Maturing Bonds.	Total.
1898	No division made				\$14,250 19
1899	"	"			20,975 58
1900	"	"			23,689 24
1901	\$12,491 73	\$12,033 79	\$32,291 24		56,816 76
1902	19,014 85	12,955 64	30,427 40		62,397 89
1903	15,748 56	12,763 10	48,776 77		77,288 43
1904	16,404 42	15,393 87	54,938 64		86,736 93
1905	21,358 11	13,666 71	55,535 91		90,560 73
1906	22,345 50	17,412 51	57,402 07		97,160 08
1907	25,365 30	18,880 01	62,089 30		106,334 61
1908	24,865 73	15,221 12	68,604 23		108,691 08
1909	24,812 23	21,220 56	66,540 41		112,573 20
1910	25,018 52	18,212 28	66,825 45		110,056 25
1911	25,424 55	19,573 82	69,849 26	\$246 66	115,094 29
					<hr/> \$1,087,625 26

There has been credited to the city by the commonwealth as its proportion of the amounts received from entrance fees, water supplied outside the district, and water furnished to water companies the sum of \$9,056.10.

The daily consumption of water in Somerville, as recorded by the Venturi meters, operated by the metropolitan water works, is shown below by months for the year 1911:—

Month.	Gallons.	Month.	Gallons.
January	6,220,900	July	6,176,900
February	6,391,200	August	5,870,300
March	6,080,300	September	5,608,000
April	5,920,400	October	5,510,100
May	6,165,800	November	5,317,800
June	6,853,400	December	5,428,400

The total consumption for the year is 2,153,171,500 gallons, making an average daily consumption of 5,899,100 gallons.

The average daily quantity of water used in Somerville during 1911 was seventy-four gallons per inhabitant, a decrease of six gallons from the previous year's consumption; the average for the entire district was 105 gallons daily per capita, a decrease for the year of five gallons per capita.

The following table shows the daily per capita consumption of water in the cities and towns in the metropolitan water district for the year 1911, as registered by the metropolitan meters:—

City or Town.	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Boston	138	138	130	123	125	123	128	120	119	118	116	117	124
Somerville	79	81	77	75	78	77	78	74	70	69	67	68	74
Malden	40	40	39	41	46	43	49	44	44	44	43	43	43
Chelsea	87	90	85	79	82	79	83	81	79	76	73	73	80
Everett	81	83	74	71	77	74	81	74	69	67	64	66	73
Quincy	79	79	78	77	92	94	107	95	92	86	84	76	87
Medford	52	51	50	51	57	54	60	51	45	45	45	43	50
Melrose	59	60	59	60	68	65	71	61	65	66	62	62	63
Revere	73	76	67	65	77	80	92	84	77	70	67	70	75
Watertown	72	63	64	66	73	68	82	67	62	63	61	59	67
Arlington	72	72	71	74	102	93	127	94	85	78	70	69	84
Milton	33	36	38	43	50	41	44	36	36	39	38	35	39
Winthrop	49	49	46	50	61	65	85	73	57	48	45	45	56
Stoneham	82	103	100	94	71	77	85	70	69	63	62	64	78
Belmont	52	54	58	61	89	86	128	85	64	60	60	56	71
Lexington	63	64	64	67	82	80	115	93	81	75	77	62	77
Nahant	49	49	49	58	61	67	84	71	65	61	48	36	65
Swampscott	55	51	50	56	60	60	70	66	60	54	53	57	59
Metropolitan Dist..	114	115	109	103	107	104	111	103	101	100	97	98	105

The district, in order of consumption, beginning with the lowest, stands as follows:—

City or Town.	Gallons.		City or Town.	Gallons.	
	Total per Day.	Per Capita per Day.		Total per Day.	Per Capita per Day.
1—Milton	317,700	39	10—Everett	2,557,800	73
2—Malden	1,971,300	43	11—Somerville ...	5,899,100	74
3—Medford	1,207,100	50	12—Revere	1,439,400	75
4—Winthrop	597,800	56	13—Lexington ...	352,900	77
5—Swampscott ..	427,700	59	14—Stoneham	573,300	78
6—Melrose	1,012,500	63	15—Chelsea	2,701,400	80
7—Nahant	152,000	65	16—Arlington	983,200	84
8—Watertown ...	889,200	67	17—Quincy	2,925,400	87
9—Belmont	415,500	71	18—Boston	85,571,500	124

Meterage.

The metering of the entire city is progressing under the provision of state legislation requiring all services to be equipped with water meters. As in past years the number installed in 1911 was somewhat in excess of that actually required for the year.

Never before has there been recorded so low a rate of

water consumption for this city as for the past year, the figure seventy-four indicating the gallons per capita used for all purposes, domestic, public, and commercial. This rate is six gallons lower than that of the previous year, which was the lowest on record to that time.

This reduction in water consumption materially affects our state water assessment, which, it is estimated, will be \$6,000 less than if the consumption had remained even at the low figure of last year.

Water Income.

While the water income holds at substantially the same figures from year to year, it is to be noted that notwithstanding the increase in percentage of metered services from forty-eight to fifty-three, and the natural tendency to decreased revenue on account of the low rates for metered water, the actual receipts from the sale of water last year were the largest in the history of the city water works.

While the percentage of services metered has increased from forty-eight to fifty-three the percentage of receipts from metered water has increased from fifty-five to fifty-nine.

In General.

The usual credit balance appears in the appropriation accounts of the department, and the physical condition of the water distribution system is believed to be excellent.

Following, and made a part of this report, is a copy of a pamphlet issued on May 1, 1911, by the water commissioner for the information of water consumers regarding the use of meters.

The accompanying tables give further information regarding the water works and details of work performed during the year.

Respectfully submitted,

FRANK E. MERRILL,

Water Commissioner.

INFORMATION REGARDING THE USE OF WATER METERS.

By legislative action, to reduce water wastes and conserve the Metropolitan water supply, all buildings supplied with city water are required to have their service pipes equipped with meters. The water commissioner will designate particular sections of the city each year to which the provisions of the law shall apply, and a meter must be installed on each water service in the district so designated.

Owners of property in other parts of the city than such designated districts may have meters installed in their premises by making application therefor on blanks provided for that purpose, which may be obtained at the office of the water department, city hall. Such applications for meters must be made prior to the commencement of the water income year, which is January 1; if received later than that date, they will be considered as for the following year.

One meter for each service pipe entering the building will be furnished and be owned by the city; if additional meters are desired for tenements or stores, they must be paid for by the applicant.

The cost of making all changes in piping and all renewals or additions, inside the building, that may be necessary to install the meter in a proper manner and in accordance with the water department requirements, must be borne by the property owner. The city does this work practically at cost; the charge varies, however, with the condition of the pipes and fittings found at the time of installation, but is usually less than \$5.

The owner may, if he so desires, employ his plumber to do this work, which must conform in all respects to the requirements of the water department. Notice of such intention should be given to the water commissioner, otherwise the city will proceed with the work at the expense of the owner.

If, for any purpose, a large meter is desired on premises where the quarterly water consumption is small, a rental for the meter will be charged, in addition to the water rate.

Meters are set, whenever at all practicable, at the point of entrance of the service pipe into the building, at or near the house stop-cock; care being taken that all branches of the house plumbing lead from the service pipe on the house side of the meter.

In buildings under construction a meter connection is furnished the contractor to set in the pipe line until the house is occupied, when it is removed and a meter installed by the city.

In many cases, on account of unfavorable conditions where the service enters the house, or from the location of the house or service pipe, it is necessary to set the meter outside the house, generally in the sidewalk; the average cost to the property owner of such installation is about \$15.

With such installation the city assumes all liability of injuries to the meter from any cause.

Freezing is injurious to water meters, and thawing them by the application of heat is also liable to damage them. They should, therefore, be adequately protected from frost by the owner of the premises.

Hot water will also seriously injure the working parts of a meter, and the property owner should see to it that the meter is protected by a check-valve, relief-valve, or otherwise, from any liability of back-flow from hot-water or steam boilers.

The city is divided into three meter districts, as follows:—

District 1—East Somerville, including all of that part of the city lying easterly of a line drawn from the Mystic river to Cambridge city line, through the centre of Fellsway West, Walnut street, Bow street from Walnut street to Somerville avenue, Somerville avenue from Bow street to Hawkins street, Hawkins street, Washington street from Hawkins street to the Cambridge line.

District 2—Central Somerville, including all of that part of the city lying westerly of the line described in District 1 and easterly of a line drawn from Medford city line to Cambridge city line, through the centre of Cedar street and Mossland street.

District 3—West Somerville, including all that part of the city lying westerly of the line described in District 2.

Meters are read quarterly,* in the following months:—

District 1—In the months of March, June, September, and December.

District 2—In the months of January, April, July, and October.

District 3—In the months of February, May, August, and November.

In order to prepare the bills, it is necessary to have the meters read before the last day of the month; each meter, however, is read at regular intervals, so far as it is practicable to do so, and the charges, therefore, are for quarterly periods.

Bills are rendered quarterly,* on the following dates:—

District 1—On January 1, for the period from the September to the December reading. April 1, for the period from the December to the March reading. July 1, for the period from the March to the June reading. October 1, for the period from the June to the September reading.

District 2—On February 1, for the period from the October to the January reading. May 1, for the period from the January to the April reading. August 1, for the period from the April to the July reading. November 1, for the period from the July to the October reading.

*By "quarterly" is meant a period of any three consecutive months.

District 3—On March 1, for the period from the November to the February reading. June 1, for the period from the February to the May reading. September 1, for the period from the May to the August reading. December 1, for the period from the August to the November reading.

The failure of the owner or rate-payer to receive his water bill does not relieve him from the obligation of its payment nor from the consequences of its non-payment. The owner of the property supplied is charged for the water furnished the premises during his ownership.

If a metered house changes ownership, the name and address of the new owner should be given to the water office at once, so that bills may be properly rendered.

Bills for metered water must be paid within ten days from date of the bill; otherwise the water may be shut off from the premises by the city and not turned on again until the bill, with costs of \$1, is paid.

The rate for metered water is twelve cents per 100 cubic feet (equivalent to sixteen cents per 1,000 gallons); the water charge, however, will not be less than \$1.50 each quarter. For this minimum quarterly charge there may be used during the quarter 1,250 cubic feet of water, equivalent to 9,375 gallons, an average of 103 gallons daily.

If in any quarter the consumption is greater than this, the total quantity used will be charged at twelve cents per 100 cubic feet, irrespective of the quantity that may have been used in any previous quarter, or of the amount that may have been paid therefor.

After a meter has been installed it will not be removed for the purpose of rating the premises on any other basis of water charges.

If a house becomes unoccupied, the owner or agent may have the water shut off and the meter removed during the period of non-occupancy by making a written request therefor to the water department and enclosing \$1 to cover expenses.

A charge of not less than fifty cents is made for each month, or fractional part thereof, that water is delivered to the premises; after which time no further charge is made for the water until it is again turned on.

Water is said to be delivered to premises if it is furnished by the city as far as the house stop-cock, whether it is used or not.

The owner or occupant must keep the water meter within his premises at all times easily accessible for reading, and protected from freezing and from injuries of all kinds. The property owner will be charged with the cost of all repairs, damages, or expenses caused by freezing, injuries, obstructions, or faulty connections, and in case payment is not made

on demand, the water may be shut off from his premises, and not be turned on until all charges are paid.

Any one breaking a seal, disconnecting, or in any way interfering with the operation of a water meter is liable to a penalty of twenty dollars.

On premises where the water is metered hand hose may be used at any hour, and the use of a lawn sprinkler is permitted, without extra charge.

The schedule rate is charged for all water that passes through a meter, whether it is used or wasted. The city does not assume any responsibility for the use or waste of water within metered premises.

Before entering a complaint at the water office on account of a large water bill, all the fixtures in the house should be carefully examined to see that water is not running to waste, and tenants should be questioned as to the previous condition of the fixtures and their use of the water. In most cases an explanation of a large bill can thus be reached; if not, the water department will render assistance to a reasonable extent.

The following are common causes of waste of water:—

Defective pipes.

Defective ball-cocks or valves in water closet and boiler tanks.

Leaky faucets and stop-cocks.

Careless use of hose.

Allowing water to run in the winter to prevent freezing and in the summer for cooling.

As a result of experiments the amount of water that might be wasted through defective plumbing, under average pressure, and its cost to the rate-payer, has been found to be as follows:—

SIZE OF STREAM.	WASTE PER DAY.	COST PER MONTH.
1-2 inch	45,600 gallons	\$226 18
1-4 "	12,360 "	61 30
1-8 "	3,360 "	16 67
1-16 "	900 "	4 46
1-32 "	240 "	1 19

A hole one-thirty-second of an inch in diameter is so small that an ordinary pin will completely fill it, yet in a quarter it will waste a quantity of water, if running constantly, that costs \$3.57.

The greatest number of leaks occur in water-closet tanks through imperfect seating of the ball-cock. A stream of water one-sixteenth inch in size may easily escape through a slightly defective ball-cock, causing a waste of water amounting in value to \$13.38 per quarter.

If a hissing or roaring noise is continually heard in the water pipes, it is evidence of a leak, and by listening with the ear pressed closely against the pipe or faucet, a very small leak may be discovered by its sound. Close the house stop-cock in the cellar, and if the sound still continues notify the water department, as the trouble is probably outside the house; if it stops, the leak is inside, and a plumber should be called.

See that water is not being drawn in the house, then watch the hand on the "one foot" dial of the meter; if it revolves, however slowly, it shows that water is escaping through the pipes or fixtures in the house; if this hand remains stationary, no flow of water is being registered.

In commercial practice one cubic foot of water equals seven and one-half U. S. gallons and weighs sixty-two and one-half pounds, or eight and one-third pounds per gallon, and meters are calibrated on that basis.

An ordinary house meter is tested by weighing ten feet of water, as indicated by the register, passing through the meter in a stream five-eighths inch or one-half inch in diameter; five feet in a one-fourth-inch stream; and one foot in a one-eighth-inch stream.

A meter that registers within three per cent. of the proper weight of those quantities of water is considered sufficiently accurate; the variations, however, usually show a much lower percentage of error.

Meters are also expected to operate on, and register flows as small as one-thirty-second inch in diameter.

A meter is said to "over-register" when it registers more water than is delivered by it to the consumer; and to "under-register" when it registers a smaller quantity than it should.

Inaccurate registration is easily corrected by changing the driving gear of the register train.

It is impossible for a water meter to operate unless the water passes through it; the flow of the water causes the piston to move and the meter to register. It is rarely that a meter runs too fast and registers more water than is used; it may become obstructed so that it runs too slowly, but this is in favor of the consumer, as more water passes through the meter than is registered.

Meters are tested at the factory and at the department shop before being installed. If a rate-payer desires a subsequent test, it will be made upon his payment to the city of one dollar to cover expenses, which amount will be refunded if the meter is found to have been over-registering more than three per cent. It is desired that, if possible, the rate-payer or his representative be present at the test.

An ordinary circular dial on a small water meter reads from 0 to 99,999 cubic feet; then the passing through the

meter of one more foot of water brings the pointer on each through all the circles, always using the lower denomination of recording another 100,000 cubic feet.

Each circle is divided into tenths; figures placed over the circles indicate the number of cubic feet discharged through the meter when the pointer in that circle has made one complete revolution; each division of any circle, therefore, indicates one-tenth of the quantity expressed by the figures over the circle.

The pointer in the one-foot circle makes one full revolution in the passage of each cubic foot of water, and each of the sub-divisions represents one-tenth of one foot. This circle is disregarded in the regular meter reading, but is useful in testing meters and for the detection of leaks in water pipes and fixtures.

To read the meter write down the figure indicated by the pointer in the "10" circle; then to the left of this figure write the one indicated by the pointer in the "100" circle, and so on through all the circles, always using the lower denomination of any two figures between which the pointer happens to stand.

When a pointer in any of the circles is so near a figure as to appear to indicate it exactly, refer to the circle next lower in denomination, and if the pointer in that circle has passed its "0," the figure apparently indicated is the correct one to use; otherwise take the figure next lower.

Larger meters read to 1,000,000 cubic feet, and the first circle is for ten feet instead of one foot. The method of reading is the same, however, except that the tenths division on which the pointer stands in the first circle should be written down as the unit figure of the total reading.

In order to prevent as far as possible the waste of water by consumers through leaky fixtures or by careless usage, and the consequent large bills, the water commissioner suggests that water takers read their meters frequently, and thereby keep themselves informed as to the quantity of water they are using.

STREET MAINS, GATES, HYDRANTS, ETC., LAID, SET AND REMOVED IN 1911.

STREET.	DESCRIPTION.	PIPE.				GATES.				HYDRANTS.				BLOW-OFFS.				WATER-POSTS.	
		LAID.		ABANDONED.		SET.		REMOVED.		SET.		REMOVED.		SET.		REMOVED.		SET.	REMOVED.
		Size.	Feet.	Size.	Feet.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.		
Adams street	Hydrant.	6"	7	4"	7					6"	1	4"	1						
Ashland street	Hydrants.	6"	6							6"	2	4"	1						
Beacon street	Hydrants.									6"	2	4"	2						
Belmont square	Street main; from main in Belmont street to point 89' easterly from east line of Belmont street.	6"	118			6"	1												
Buena Vista road	From point 89' east from Belmont street northerly and southerly to dead ends.	2"	104			6"	1												
Cedar street	Street main; from main in Holland street to west line of Holland street.	6"	42							6"	1	6"	1						
Clark street	Hydrant.																		
Clark street	Street main; from main in West Newton street to connection with old main at new grade at point 208' north from West Newton street.	10"	225	10"	221	10"	1	10"	1										
Concord avenue	Hydrant.	6"	12							6"	1								
Conwell avenue	Street main; from main in Webster avenue to connection with main at new grade at point 112' west from Prospect street.	12"	146	12"	146	12"	1	12"	1										
Conwell avenue	Street main; from main in North street to connection with main laid in 1910 at point 298' east from North street.	16"	45	16"	45														
Conwell avenue	Hydrant.	10"	310			10"	1												
Elm street	Gates (on hydrant branches).	6"	14			6"	2			6"	2								
Emerson street	Street main; from main in East Newton street to main in Everett street.	6"	212	4"	212	6"	2	4"	1										
Emerson street	Hydrant.	6"	5							6"	1								
Emerson street	Blow-off.	4"	30			4"	1			6"	1			4"	1				
Everett street	Street main; from main in Webster avenue to connection with old main at point 20' east from west line of Emerson street.	6"	192	6"	192	6"	1	6"	1										
Everett street	Hydrants.	6"	10	6"	5					6"	2	6"	1						
Everett street	Blow-off.	4"	4			4"	1							4"	1				
Francesca avenue	Waterpost.	2"	37			2"	1												
Harold street	Street main; from main in Marion street to connection with main laid in 1910 at north line of Dimick street.	6"	351			6"	1												1
Harold street	Hydrant.	6"	7							6"	1								
Hillsdale road	Street main; from end of pipe laid in 1909 at point 12' out from main in Conwell avenue to point 154' north from north line of Conwell avenue.	8"	170			8"	1												
Holland street	Hydrants.					6"	2			6"	2	6"	2						
Kenneson road	Street main; from connection with pipe laid in 1909 at point 12' south from Broadway, to connection with pipe laid in 1907 at point 80' north from Walnut rd.	8"	258			8"	1												
Kenneson road	Hydrant.	6"	5							6"	1								
Kilby street	Street main; from main in Somerville avenue to dead end at point 174' south from south line of Somerville avenue.	6"	223			6"	1												
Kilby street	Hydrant.									6"	1								
Liberty avenue	Hydrants.	6"	27							6"	2								
Line street	Street main; from connection with old main at Cooney street to point 400' south from south line of Cooney street.	6"	409																
Line street	Hydrants.	6"	12							6"	2								
Lowell circle	Gate.					6"	1												
Malvern avenue	Street main; from main in Lowell street to dead end at point 114' west from west line of Lowell street.	2"	126			2"	1												
McGregor avenue	Hydrants.	6"	14							6"	2								
Medford street	Street main; from connection with old main at point 59' east from Walnut street to point 143' east from east line of Walnut street.	6"	84																
Medford street	Hydrant.					8"	1			8"	1	8"	1						
Medford street	Gate.					12"	1	12"	1										
Moreland street	Hydrant.									6"	1	6"	1						
Mystic avenue	Hydrant.					6"	1			6"	1	4"	1						
Mystic avenue	Gate (on hydrant branch).					6"	1												
Newton street	Street main; from main in Webster avenue on north side of railroad bridge to connection with old main at new grade, at point 68' west from west line of Everett street.	20"	292	20"	292	20"	1	20"	1										
Newton street (east)	Gate.					20"	1												
Newton street (east)	Blow-off.	6"	14			6"	1							6"	1				
Newton street (west from Webster ave.)	Street main; from connection with old pipe in low grade at point 20' west from east line of Joseph street to connection with main in Webster avenue at point 60' south from the bridge wall on south side.	12"	492	8"	230	12"	3	12"	1			6"	1						
				12"	120														
				16"	80														
				20"	10														
Newton street (west)	Blow-off.	4"	10			4"	1							4"	1				
Ossipee road	Hydrants.	6"	7							6"	1								
Parker place	Street main; from main in Porter street to dead end 137' west from west line of Porter street.	2"	148			2"	1												
Prospect street (east from Webster ave.)	Gate.					6"	1												
Prospect street (east)	Blow-off.	6"	12			6"	1												
Prospect street (west from Webster ave.)	Street main; from connection with main leading from Webster avenue into Concord avenue, to connection with old pipe in new grade at point 155' south from south line of Concord avenue.	10"	170	10"	170	10"	1	10"	1					6"	1				
Prospect street (west)	Hydrant.	6"	10	6"	10	6"	1			6"	1	6"	1						
Prospect street (west)	Blow-off.	4"	8			4"	1							4"	1				
Somerville avenue	Gate.					12"	1												
Somerville avenue	Hydrant.									6"	2	6"	2						
Summer street	Gate (on hydrant branch).					6"	1												
Waldo avenue	Street main; from main in Beacon street to connection with pipe laid in 1910, at southwest line of Dimick street.	6"	296			6"	1												
Webster avenue (north from Newton st.)	Street main; from connection with old main at new grade at point 114' south from Washington street to connection with main in Newton street, east.	12"	492	12"	492	12"	1	12"	1										
Webster avenue (north)	Hydrants.	6"	14	6"	21	6"	2			6"	2	6"	3						
Webster avenue (north)	Blow-off.	6"	8			6"	1							6"	1				
Webster avenue (south from Newton st.)	Street main; from connection with old main at new grade, at point 122' north from Tremont street to connection with main in Newton street, east; from connection with old main at branch for Columbia street main to connection with old main at point 56' south from south line of Columbia street.	20"	600	20"	580														
		20"	28	16"	12														
		16"	56	10"	72														
Webster avenue (south)	Hydrants.	6"	15	6"	7	6"	3			6"	2	6"	1						
Webster avenue (south)	Gates.					10"	2	10"	1										
						16"	1												
						20"	5	20"	2										
Webster avenue (south)	Blow-offs.	4"	38			4"	2							4"	2				
West Adams street		6"	13			6"	1							6"	1				
West Adams street	Street main; from main in Conwell avenue to dead end 699' north from north line of Conwell avenue.	8"	727			8"	2												
Whitman street	Hydrants.	6"	14							6"	2								
	Street main; from main in Packard avenue to point 75' east from east line of Packard avenue.	8"	93			8"	1												
			6,762		2,924		62		12		36		19		10			1	

Gates Set in New Locations.

- Belmont square, 6-inch gate, set 10 feet out from north line, on east line of Belmont street.
- Buena Vista road, 6-inch gate, set 10 feet out from south line, on west line of Holland street.
- Clark street, 10-inch gate, set 12 feet out from east line, on north line of Newton street (west), on new grade.
- Concord avenue, 12-inch gate, set 13 feet 4 inches out from south line, on west line of Prospect street, on new grade.
- Conwell avenue, 10-inch gate, set 13 feet 4 inches out from south line, on east line of North street.
- Elm street, 6-inch gate, set on hydrant branch, 11 feet out from south line and 11 feet west from Grove street.
- Elm street, 6-inch gate, set on hydrant branch, 11 feet out from south line and 30 feet west from Russell street.
- Emerson street, 6-inch gate, set 10 feet out from west line, on south line of Everett street.
- Emerson street, 6-inch gate, set 10 feet out from west line, on north line of Newton street (east), on new grade.
- Emerson street, 4-inch gate, set on blow-off branch, 13 feet out from west line and 3 feet south from south line of Everett street.
- Everett street, 6-inch gate, set 10 feet out from north line, on east line of Webster avenue, on new grade.
- Everett street, 4-inch gate, set on blow-off branch, 14 feet out from north line and 7 feet east from west line of Emerson street.
- Francesca avenue, 2-inch gate, set on waterpost branch, 10 feet out from south line and 50 feet east from College avenue.
- Harold street, 6-inch gate, set 13 feet 4 inches out from east line, on south line of Marion street.
- Hillsdale road, 8-inch gate, set 13 feet 4 inches out from east line, on north line of Conwell avenue.
- Holland street, 6-inch gate, set on hydrant branch, 13 feet out from east line and 198 feet south from Winter street, low service.
- Holland street, 6-inch gate, set on hydrant branch, 13 feet out from west line and 136 feet south from Buena Vista road, high service.
- Kenneson road, 8-inch gate, set 10 feet out from east line, on north line of Walnut road.
- Kilby street, 6-inch gate, set 6 feet 8 inches out from west line, on south line of Somerville avenue.
- Line street, 6-inch gate, set 10 feet out from east line, on north line of Cooney street.
- Lowell circle, 2-inch gate, set 3 feet 6 inches out from south line, on west line of Lowell street.
- Medford street, 12-inch gate, set 14 feet out from west line, on south line of Prospect Hill avenue.
- Medford street, 8-inch gate, set on hydrant branch, 13 feet out from west line, and 220 feet south from Warren street.
- Mystic avenue, 6-inch gate on hydrant branch, 12 feet out from south line and 90 feet east from Union street.
- Mystic avenue, 6-inch gate on hydrant branch, 13 feet out from south line and 3 feet west from Union street.
- Newton street (east), 20-inch gate, set 8 feet out from north line and 15 feet east from east line of Webster avenue, on new grade. The operating stem of this gate sets in gate chamber 5 feet out from north line of Newton street (east).
- Newton street (east), 20-inch gate, set 12 feet out from north line and 105 feet west from west line of Somerville avenue. The operating stem of this gate sets in gate chamber 15 feet out from north line of Newton street (east).

- Newton street (east), 6-inch gate set on blow-off branch 15 feet out from north line and 110 feet west from west line of Somerville avenue.
- Newton street (west), 12-inch gate set 17 feet out from north line, on west line of Clark street, on new grade.
- Newton street (west), 12-inch gate set 19 feet out from north line, on east line of Clark street, on new grade.
- Newton street (west), 12-inch gate set 13 feet 6 inches out from east line of Webster avenue and 141 feet north from north line of Prospect street, on new grade. This gate, although set in Webster avenue, controls the supply to Newton street (west) and is regarded as belonging to that street.
- Newton street (west), 4-inch gate set on blow-off branch 18 feet out from north line and 26 feet west from east line of Joseph street.
- Parker place, 2-inch gate set 7 feet out from north line, on west line of Porter street.
- Prospect street (east), 6-inch gate set 13 feet out from north line, on west line of Bennett street, 159 feet west from west line of Somerville avenue.
- Prospect street (east), 6-inch gate set on blow-off branch 20 feet out from north line of Newton street (east) and 110 feet west from west line of Somerville avenue.
- Prospect street (west), 10-inch gate set 18 feet out from east line, on south line of Concord avenue, on new grade.
- Prospect street (west), 6-inch gate set on hydrant branch 12 feet out from east line and 7 feet south from Concord avenue.
- Prospect street (west), 4-inch gate set on blow-off branch 23 feet out from south line and 5 feet east from west line of Oak street.
- Somerville avenue, 12-inch gate set in low-level main in yard of North Packing & Provision Company 7 feet southwest from fence under railroad bridge and 21 feet southeast from fence parallel with Boston & Albany railroad tracks.
- Summer street, 6-inch gate set on hydrant branch 11 feet out from north line and 95 feet west from Cutter avenue.
- Waldo avenue, 6-inch gate set 13 feet 4 inches out from northwest line, on northeast line of Beacon street.
- Webster avenue (north from Newton street), 12-inch gate set 14 feet out from east line and 20 feet south from south line of house No. 32, on new grade.
- Webster avenue (north), 6-inch gate set on hydrant branch, 9 feet out from east line and 37 feet south from south line of Washington street.
- Webster avenue (north), 6-inch gate set on hydrant branch 9 feet 6 inches out from east line and 190 feet south from south line of Everett street.
- Webster avenue (north), 6-inch gate set on blow-off branch 19 feet out from east line and 37 feet south from south line of Washington street.
- Webster avenue (south from Newton street), 10-inch gate set 13 feet out from east line, on south line of Norfolk street.
- Webster avenue (south), 10-inch gate set 13 feet out from east line, on north line of Norfolk street.
- Webster avenue (south), 16-inch gate set 13 feet out from east line, on south line of Columbia street. The operating stem of this gate sets in gate chamber 10 feet out from east line of the street.
- Webster avenue (south), 20-inch gate set 13 feet out from east line, on north line of Columbia street. The operating stem of this gate sets in gate chamber 9 feet 6 inches out from east line of the street.
- Webster avenue (south), 20-inch gate set 13 feet out from east line, on north line of Tremont street. The operating stem of this gate sets in gate chamber 9 feet 6 inches out from east line of the street.

- Webster avenue (south), 20-inch gate set 13 feet 6 inches out from east line, on south line of Prospect street, on new grade.
- Webster avenue (south), 20-inch gate set 9 feet 10 inches out from east line and 139 feet north from north line of Prospect street, on new grade. This gate is on the 45° offset from the main line to the pipe bridge.
- Webster avenue (south), 20-inch gate set on north side of railroad bridge, on the line over pipe bridge, 8 feet east from east line of Webster avenue and 15 feet south from north line of Newton street (east), on new grade. The operating stem of this gate sets in gate chamber 11 feet 8 inches south from north line of Newton street (east).
- Webster avenue (south), 6-inch gate set on hydrant branch 10 feet out from east line and 78 feet north from north line of Tremont street.
- Webster avenue (south), 6-inch gate set on hydrant branch 9 feet out from east line and 14 feet south from south line of Prospect street (east).
- Webster avenue (south), 6-inch gate set on hydrant branch 10 feet out from east line and 167 feet north from north line of Prospect street (east).
- Webster avenue (south), 4-inch gate set on blow-off branch 3 feet out from east line and 139 feet north from north line of Prospect street (east). This gate sets in the sidewalk.
- Webster avenue (south), 4-inch gate on blow-off branch, on north side of railroad bridge, on line of easterly retaining wall of bridge, and 8 feet out from south line of Newton street (east).
- Webster avenue (south), 6-inch gate set on blow-off branch 16 feet 6 inches out from east line and 9 feet north from north line of Tremont street.
- West Adams street, 8-inch gate set 13 feet 4 inches out from east line, on northerly line of Conwell avenue.
- West Adams street, 8-inch gate set 13 feet 4 inches out from east line and 473 feet north from north line of Conwell avenue.
- Whitman street, 8-inch gate set 13 feet 4 inches out from north line, on east line of Packard avenue.

Gates Removed or Discontinued.

- Clark street, 10-inch gate discontinued on grade of old pipe line 12 feet out from east line of Clark street, on north line of Newton street.
- Concord avenue, 12-inch gate discontinued on grade of old pipe line 13 feet 4 inches out from south line of Concord avenue, on west line of Prospect street.
- Emerson street, 4-inch gate discontinued on grade of old pipe line 10 feet out from west line of Emerson street, on north line of Newton street.
- Everett street, 6-inch gate discontinued on grade of old pipe line 40 feet out from north line of Everett street, on east line of Webster avenue.
- Medford street, 12-inch gate removed from 16 feet out from west line and 11 feet north from south line of Prospect Hill avenue.
- Newton street, 20-inch gate discontinued on grade of old pipe line 8 feet out from north line of Newton street, on east line of Webster avenue.
- Newton street, 12-inch gate removed from old pipe line 13 feet 4 inches out from north line of Newton street, on west line of Fitchburg railroad location.
- Prospect street, 10-inch gate discontinued on grade of old pipe line, 18 feet out from east line of Prospect street, on south line of Concord avenue.

Webster avenue, 12-inch gate discontinued on grade of old pipe line 14 feet out from east line of Webster avenue, on north line of Newton street.

Webster avenue, 20-inch gate discontinued on grade of old pipe line 13 feet out from east line of Webster avenue and 38 feet south from south line of house No. 37.

Webster avenue, 20-inch gate removed from old pipe line 13 feet out from east line of Webster avenue and 53 feet south from south line of house No. 37.

Webster avenue, 10-inch gate removed from 13 feet out from east line, on south line of Columbia street.

GATES—RECAPITULATION.

GATES.	2"	4"	6"	8"	10"	12"	16"	20"	Total.
Set	3	6	27	6	5	7	1	7	62
Removed or Discontinued . .	—	1	1	—	3	4	—	3	12

Net increase in number of gates in 1911 50

Total number of gates in the city December 31, 1911 . . . 1,519

FIRE HYDRANTS.

Construction—Renewal—Removal.

Adams street, 6-inch Corey hydrant, set 250 feet north from Medford street.

Adams street, 4-inch Holyoke Gate hydrant, removed from 266 feet north from Medford street.

Ashland street, 6-inch Walker hydrant, set 7 feet south from Summer street.

Ashland street, 6-inch Corey hydrant, set 268 feet south from Summer street.

Ashland street, 4-inch Boston Machine hydrant, removed from 268 feet south from Summer street.

Beacon street, 6-inch Mathews hydrant, set 208 feet east from Buckingham street.

Beacon street, 6-inch Corey hydrant, set 79 feet west from Calvin street.

Beacon street, 4-inch Holyoke Gate hydrant, removed from 208 feet east from Buckingham street.

Beacon street, 4-inch Bigelow hydrant, removed from 79 feet west from Calvin street.

Cedar street, 6-inch Walker hydrant, set 61 feet north from Hall street.

Cedar street, 6-inch Holyoke Gate hydrant, removed from 61 feet north from Hall street.

Clark street, 6-inch Mathews hydrant, set on new grade 15 feet north from Newton street (west).

Conwell avenue, 6-inch Corey hydrant, set 9 feet east from North street.

Conwell avenue, 6-inch Corey hydrant, set 336 feet east from North street.

Emerson street, 6-inch Walker hydrant, set 13 feet north from Newton street (east), on new grade.

Everett street, 6-inch Corey hydrant, set 149 feet west from Newton street (east).

Everett street, 6-inch Walker hydrant, set 15 feet east from Webster avenue, on new grade.

Everett street, 6-inch Chapman hydrant, removed from opposite Emerson street.

- Harold street, 6-inch Mathews hydrant, set 42 feet north from Dimick street.
- Holland street, 6-inch Mathews hydrant, set 8 feet north from Boston & Maine railroad line, on low service main.
- Holland street, 6-inch Mathews hydrant, set 23 feet south from Winter street, on high service main.
- Holland street, 6-inch Coffin hydrant removed from 8 feet north from Boston & Maine railroad line, on low service main.
- Holland street, 6-inch Holyoke Compression hydrant, removed from 23 feet south from Winter street, on high service main.
- Kenneson road, 6-inch Walker hydrant, set 12 feet south from Broadway.
- Kilby street, 6-inch Coffin hydrant, set 174 feet south from Somerville avenue.
- Liberty avenue, 6-inch Mathews hydrant, set 13 feet south from Broadway.
- Liberty avenue, 6-inch Mathews hydrant, set 207 feet south from Mallet street.
- Line street, 6-inch Holyoke Compression hydrant, set 100 feet south from Cooney street.
- Line street, 6-inch Walker hydrant, set 400 feet south from Cooney street.
- Malvern avenue, 6-inch Walker hydrant, set 146 feet west from Cameron avenue.
- Malvern avenue, 6-inch Walker hydrant, set 7 feet east from Yorktown street.
- Medford street, 8-inch Chapman Compression hydrant, set 220 feet south from Warren street.
- Medford street, 8-inch Chapman Gate hydrant, removed from 220 feet south from Warren street.
- Moreland street, 6-inch Mathews hydrant, set 3 feet south from East Albion street.
- Moreland street, 6-inch Chapman hydrant, removed from 3 feet south from East Albion street.
- Mystic avenue, 6-inch Corey hydrant, set 3 feet west from Union street.
- Mystic avenue, 4-inch Holyoke Gate hydrant, removed from 3 feet west from Union street.
- Newton street (west), 6-inch Mathews hydrant, removed from pipe on old grade, 9 feet east from Clark street.
- Ossipee road, 6-inch Walker hydrant, set 246 feet east from Packard avenue.
- Prospect street (west), 6-inch Mathews hydrant, set 7 feet west from Webster avenue, on new grade.
- Prospect street (west), 6-inch Mathews hydrant, removed from 35 feet south from Concord avenue, from pipe on old grade.
- Somerville avenue, 6-inch Mathews hydrant, set 13 feet east from Congress place.
- Somerville avenue, 6-inch Coffin hydrant, removed from 13 feet east from Congress place.
- Somerville avenue, 6-inch Mathews hydrant, set 670 feet west from East Cambridge line, on high level.
- Somerville avenue, 6-inch Holyoke Compression hydrant, removed from 670 feet west from East Cambridge line, on high level.
- Webster avenue, 6-inch Mathews hydrant, set 37 feet south from Washington street.
- Webster avenue, 6-inch Mathews hydrant, set 190 feet south from Everett street, on new grade.
- Webster avenue, 6-inch Mathews hydrant, set 167 feet north from Prospect street, on new grade.

Webster avenue, 6-inch Mathews hydrant, set 14 feet south from Prospect street, on new grade.

Webster avenue, 6-inch Mathews hydrant, removed from 93 feet south from Washington street.

Webster avenue, 6-inch Holyoke Compression hydrant, removed from 12 feet south from Everett street, from pipe on old grade.

Webster avenue, 6-inch Holyoke Compression hydrant, removed from 25 feet north from Newton street, from pipe on old grade.

Webster avenue, 6-inch Mathews hydrant, removed from 63 feet north from Prospect street, from pipe on old grade.

West Adams street, 6-inch Corey hydrant, set 200 feet north from Conwell avenue.

West Adams street, 6-inch Corey hydrant, set 480 feet north from Conwell avenue.

HYDRANTS—RECAPITULATION.

HYDRANTS.	4"	6"	8"	Total.
Set	—	35	1	36
Removed	5	13	1	19

Net increase in number of hydrants in 1911 17
 Total number of hydrants in the city December 31, 1911 . . . 1,082

Locations of Hydrants.

Aberdeen road, 237 feet west from Cedar street.

Acadia park, 186 feet north from Somerville avenue.

Adams street, 11 feet south from Broadway.

221 feet south from Broadway.

250 feet north from Medford street.

10 feet north from Medford street.

Adrian street, 93 feet east from Marion street.

220 feet south from Joseph street.

Albion street, 396 feet west from Central street.

15 feet west from Centre street.

217 feet east from Lowell street.

7 feet west from house No. 110.

444 feet east from Cedar street.

Aldersey street, 276 feet west from Walnut street.

Allen street, 9 feet north from Charlestown street.

45 feet west from Somerville avenue.

323 feet west from Somerville avenue.

Alpine street, 280 feet east from Cedar street.

76 feet west from Princeton street.

298 feet west from Lowell street.

Alston street, 212 feet east from Cross street.

10 feet west from Shawmut place.

Ames street, 123 feet west from Central street.

Appleton street, 3 feet east from Clifton street.

41 feet west from Willow avenue.

Arlington street, 36 feet east from Hathorn street.

Arthur street, 29 feet south from Broadway.

Ash avenue, 300 feet north from Meacham street.

Ashland street, 7 feet south from Summer street.

268 feet south from Summer street.

Atherton street, 31 feet east from Spring street.

- Auburn avenue, 239 feet west from Cross street.
481 feet west from Cross street.
- Austin street, 81 feet south from Mystic avenue.
66 feet north from Benedict street.
2 feet north from Broadway.
- Avon street, 233 feet east from Central street.
572 feet west from School street.
270 feet west from School street.
- Banks street, 310 feet south from Summer street.
- Bartlett street (Ward 1), 130 feet south from Washington street.
- Bartlett street (Ward 5), 230 feet south from Broadway.
223 feet north from Medford street.
15 feet south from Ames street.
10 feet south from Robinson street.
- Bay State avenue, 39 feet south from Broadway.
7 feet south from Mallet street.
92 feet north from Kidder avenue.
- Beacon street, 316 feet west from Greenwood terrace.
10 feet east from Stanford terrace.
46 feet west from Sacramento street.
40 feet east from Sacramento street.
2 feet west from Beckwith circle.
15 feet west from Kent street.
4 feet west from Ivaloo street.
68 feet east from Park street.
18 feet east from Durham street.
26 feet east from Washington street.
79 feet west from Calvin street.
8 feet west from Waldo avenue.
28 feet west from Buckingham street.
208 feet east from Buckingham street.
6 feet east from Concord avenue.
- Beech street, 4 feet south from Atherton street.
- Belknap street, 63 feet north from Broadway.
80 feet south from Russell road.
- Belmont street, 206 feet north from Spring Hill terrace.
241 feet north from Summer street.
243 feet south from Summer street.
10 feet north from Belmont place.
222 feet south from Belmont place.
185 feet north from Somerville avenue.
- Benedict street, 33 feet east from Mystic street.
- Bennett street, 166 feet east from Prospect street.
- Benton road, 2 feet north from Cambria street.
28 feet south from Highland avenue.
- Berkeley street, 8 feet east from Central street.
150 feet east from Hersey street.
28 feet west from School street.
212 feet west from Hersey street.
- Billingham street, 126 feet north from William street.
- Blakeley avenue, 13 feet east from Fellsway East.
- Bolton street, 203 feet north from Houghton street.
3 feet south from Oak street.
- Bonair street, 26 feet west from Cross street.
90 feet east from Autumn street.
121 feet east from Arthur street.
67 feet east from Dana street.
Opposite Melvin street.
117 feet east from Walnut street.
- Bond street, 63 feet south from Jaques street.

- Bonner avenue, 171 feet north from Washington street.
- Boston avenue, 110 feet south from bridge over Mystic river.
 492 feet north from Gove street, Medford.
 65 feet north from Highland road.
 23 feet east from Pearson avenue.
 289 feet north from Morrison avenue.
- Boston street, 11 feet west from Prospect Hill avenue.
 207 feet west from Bigelow street.
 87 feet east from Bigelow street.
 6 feet north from Munroe street.
- Bow street, 102 feet north from Warren avenue.
 23 feet west from Wesley park.
 25 feet east from Bow-street place.
 74 feet north from Walnut street.
- Bow-street place, 193 feet west from Bow street.
- Bowdoin street, 65 feet north from Fremont avenue.
- Bradley street, 26 feet south from Veazie street.
- Brastow avenue, 202 feet east from Porter street.
 115 feet west from Lowell street.
- Broadway, 50 feet east from Mt. Pleasant street.
 20 feet west from George street.
 21 feet west from Broadway place.
 83 feet east from Cutter street.
 7 feet east from Glen street.
 21 feet east from Rush street.
 15 feet west from Cross street.
 7 feet west from Autumn street.
 6 feet west from Montgomery avenue.
 33 feet west from Walnut street.
 4 feet east from Sargent avenue.
 3 feet west from Melvin street.
 157 feet west from Grant street.
 117 feet east from Marshall street.
 62 feet west from Marshall street.
 4 feet west from School street.
 10 feet west from Thurston street.
 209 feet east from Central street.
 104 feet west from Norwood avenue.
 15 feet west from City road.
 288 feet east from Cedar street.
 Opposite Cedar street.
 5 feet east from Wilson avenue.
 252 feet west from Wilson avenue.
 115 feet west from Rogers avenue.
 236 feet west from Liberty avenue.
 175 feet west from College avenue.
 6 feet west from Billingham street.
 9 feet west from Packard avenue.
 32 feet east from Westminster street.
 237 feet east from Endicott avenue.
 6 feet west from Endicott avenue.
 9 feet west from Garrison avenue.
 330 feet west from Waterhouse street.
- Broadway park, near the pond.
- Bromfield road, 179 feet north from Warner street.
 567 feet north from Warner street.
 267 feet south from Dearborn road.
- Brook street, 18 feet west from Rush street.
- Browning road, 302 feet west from Sycamore street.
 136 feet east from Central street.

- Buckingham street, 2 feet south from Dimick street.
Burnside avenue, 259 feet north from Elm street.
 120 feet south from Summer street.
Calvin street, 186 feet south from Beacon street.
Cambria street, 131 feet west from Central street.
Cameron avenue, 166 feet south from Holland street.
 Opposite Mead street.
 26 feet south from Glendale avenue.
Campbell park, 258 feet west from Meacham road.
Cedar street, 226 feet south from Sartwell avenue.
 98 feet north from Sartwell avenue.
 61 feet north from Hall street.
 22 feet south from Highland avenue.
 12 feet north from Highland avenue.
 10 feet north from Albion street.
 124 feet south from Warwick street.
 50 feet north from Clyde street.
 24 feet south from Murdock street.
 270 feet south from Broadway.
Central street, 50 feet south from Broadway.
 6 feet north from Forster street.
 27 feet north from Vernon street.
 5 feet north from Pembroke street.
 187 feet south from Vernon street.
 9 feet north from Willoughby street.
 92 feet north from Highland avenue.
 9 feet south from Highland avenue.
 6 feet north from Oxford street.
 23 feet south from Avon street.
 14 feet south from Summer street.
Chandler street, 16 feet south from Broadway.
 206 feet north from Park avenue.
Chapel street, 14 feet east from Chandler street.
Charles street, 183 feet south from Washington street.
Charnwood road, 79 feet west from Hancock street.
Cherry street, 7 feet south from Sartwell avenue.
 254 feet north from Sartwell avenue.
 252 feet north from Summer street.
 26 feet south from Highland avenue.
Chester street, 15 feet north from Chester place.
Chestnut street, 480 feet south from Poplar street.
 246 feet south from Poplar street.
Chetwynd road, 236 feet west from Curtis street.
Church street, 9 feet south from Summer street.
 300 feet south from Summer street.
 16 feet south from Somerville avenue.
 29 feet north from Somerville avenue.
 12 feet north from Lake street.
City Road, 70 feet north from Sumner street.
 67 feet south from Roberts street.
Claremon street, 255 feet south from Holland street.
Clarendon avenue, 253 feet south from Broadway.
 Opposite house No. 66.
 Near Cambridge line.
Clark street, 15 feet north from Newton street.
 200 feet north from Newton street.
 412 feet north from Newton street.
Cleveland street, 192 feet west from Central street.
Clyde street, 250 feet east from Cedar street.
 Opposite Murdock street.

- College avenue, 12 feet north from Winter street.
6 feet south from Morrison avenue.
8 feet south from Hall avenue.
53 feet west from Francesca avenue.
Opposite Kenwood street.
100 feet west from Broadway.
405 feet north from Broadway.
720 feet north from Broadway.
- Columbia street, 3 feet south from Beach avenue.
8 feet south from Columbia court.
- Columbus avenue, 7 feet north from Washington street.
150 feet east from Bonner avenue.
118 feet west from Bonner avenue.
35 feet west from Stone avenue.
8 feet east from Walnut street.
- Concord avenue, 154 feet west from Prospect street.
76 feet east from Concord square.
On east line of Knapp school.
313 feet east from Springfield street.
24 feet east from Springfield street.
7 feet east from Marion street.
6 feet south from Hammond street.
20 feet east from Wyatt street.
- Conlon-court extension, 138 feet west from Windsor street.
- Conwell avenue, 20 feet west from Curtis street.
460 feet west from Curtis street.
29 feet west from Hillsdale road.
9 feet east from North street.
336 feet east from North street.
- Conwell street, 6 feet south from Highland avenue.
3 feet north from Francis street.
- Cooney street, 98 feet north from Line street.
- Cottage avenue, 206 feet west from Russell street.
- Craigie street, 216 feet south from Summer street.
232 feet north from Kimball street.
77 feet south from Kimball street.
126 feet north from Somerville avenue.
- Crescent street, 125 feet south from Pearl street.
- Crocker street, 4 feet south from Highland avenue.
8 feet north from Crown street.
- Cross street, 32 feet north from Cross-street place.
6 feet north from Pearl street.
62 feet north from Flint street.
16 feet north from Gilman street.
13 feet south from Auburn avenue.
39 feet north from Alston street.
- Curtis avenue, 206 feet west from Curtis street.
- Curtis street, 6 feet north from Broadway.
3 feet south from Electric avenue.
137 feet north from Ware street.
3 feet south from Raymond avenue.
34 feet south from Professors row.
225 feet north from Professors row.
- Cutter avenue, 11 feet south from Highland avenue.
- Cutter square, 95 feet west from Cutter avenue.
- Cutter street, 95 feet south from Broadway.
444 feet south from Broadway.
- Cypress street, 114 feet west from Central street.
- Dana street, 18 feet north from Pearl street.

- Dane avenue, 162 feet west from Leland street.
169 feet east from Dane street.
- Dane street, 9 feet north from Tyler street.
260 feet south from Skehan street.
55 feet north from Skehan street.
- Dartmouth street, 184 feet south from Broadway.
200 feet north from Evergreen avenue.
53 feet south from Evergreen avenue.
171 feet north from Medford street.
- Davis square, 45 feet east from Day street.
- Day street, 10 feet south from Davis square.
Opposite Herbert street.
195 feet south from Herbert street.
4 feet north from Orchard street.
- Delaware street, 246 feet east from Aldrich street.
8 feet south from Pearl street.
- Dell street, 255 feet west from Glen street.
- Derby street, 400 feet east from Temple street.
- Dickinson street, 20 feet east from Beacon street.
7 feet north from Leon street.
- Dickson street, 119 feet south from Fairmount avenue.
- Dover street, 22 feet south from Davis square.
203 feet south from Davis square.
312 feet north from Orchard street.
3 feet north from Orchard street.
- Durham street, opposite Skehan street.
5 feet west from Hanson street.
- Earle street, 4 feet east from Ward street.
- Eastman road, 279 feet south from Highland avenue.
- Edmands street, 15 feet south from Broadway.
- Electric avenue, 160 feet west from Mason street.
- Eliot street, 3 feet east from Park street.
- Ellsworth street, 7 feet west from Rush street.
- Elm street, 59 feet west from Craigie street.
17 feet west from Porter street.
28 feet east from Linden avenue.
11 feet east from Mossland street.
9 feet west from Cedar street.
153 feet east from Cherry street.
110 feet west from Cherry street.
14 feet east from Burnside avenue.
104 feet east from Willow avenue.
20 feet east from St. James avenue.
9 feet west from Elston street.
90 feet west from Windom street.
30 feet west from Russell street.
11 feet west from Grove street.
82 feet west from Chester street.
- Elmwood street, 9 feet south from Holland street.
300 feet east from Harrison street.
85 feet west from Harrison street.
- Emerson street, 13 feet north from Newton street.
- Endicott avenue, 422 feet south from Broadway.
- Everett avenue, 5 feet west from Cross street.
9 feet east from Dana street.
449 feet west from Cross street.
- Everett street, 149 feet west from Newton street.
15 feet east from Webster avenue.
- Evergreen avenue, 8 feet east from School street.
114 feet east from Sycamore street.

- Fairlee street, 134 feet west from Cherry street.
Fairmount avenue, 280 feet west from Curtis street.
 Opposite Watson street.
Farragut avenue, 258 feet south from Broadway.
 537 feet south from Broadway.
Fellsway East, 68 feet north from Broadway.
Fellsway West, 11 feet north from Broadway.
 437 feet south from Mystic avenue.
Fenwick street, 40 feet north from Broadway.
Fisk avenue, 120 feet east from Hinckley street.
Fitchburg street, 395 feet east from Linwood street.
Flint street, 18 feet east from Flint avenue.
 59 feet east from Cross street.
 30 feet west from Franklin street.
Florence street, 206 feet south from Perkins street.
 7 feet south from Pearl street.
 453 feet north from Washington street.
Forster street, opposite Tennyson street.
Fosket street, 6 feet west from Bay State avenue.
Fountain avenue, 280 feet west from Glen street.
Francesca avenue, 305 feet east from College avenue.
 7 feet west from Liberty avenue.
Franklin street, 14 feet north from Arlington street.
 55 feet north from Perkins street.
 76 feet south from Webster street.
 156 feet south from Pearl street.
 80 feet south from Oliver street.
 87 feet south from Palmer avenue.
 29 feet north from Washington street.
Fremont street, 82 feet north from Main street.
 343 feet north from Main street.
 Opposite Meacham street.
 287 feet north from Meacham street.
 25 feet north from East Albion street.
Garden court, 357 feet south from Somerville avenue.
Garfield avenue, 7 feet north from Broadway.
 24 feet south from Mystic avenue.
Garrison avenue, 235 feet south from Broadway.
Gibbens street, 202 feet west from Central street.
 129 feet west from Benton road.
Gilman square, opposite Marshall street.
Gilman street, 103 feet east from Walnut street.
 143 feet east from Jasper street.
 8 feet west from Aldrich street.
 176 feet east from Aldrich street.
 295 feet west from Cross street.
Glass-house court, 360 feet west from Water street.
Glen street, 147 feet south from Broadway.
 8 feet north from Brook street.
 6 feet north from Webster street.
 1 foot north from Flint street.
 11 feet north from Fountain avenue.
Glendale avenue, 80 feet west from Cameron avenue.
 8 feet east from Yorktown street.
Glenwood road, 224 feet south from Broadway.
 16 feet north from Vernon street.
 320 feet north from Vernon street.
 467 feet north from Vernon street.
Gorham street, 310 feet south from Holland street.
 67 feet north from Howard street.

Grand View avenue, 286 feet east from Vinal avenue.
Granite street, 178 feet north from Somerville avenue.
Grant street, 99 feet south from Mystic avenue.
2 feet north from Derby street.
Greene street, 295 feet south from Summer street.
Greenville street, 148 feet north from Boston street.
33 feet north from Munroe street.
Grove street, 163 feet south from Highland avenue.
Hall avenue, 310 feet east from College avenue.
306 feet west from Liberty avenue.
9 feet west from Liberty avenue.
Hall street, 269 feet west from Cedar street.
Hamlet street, 321 feet south from Highland avenue.
Hammond street, 30 feet west from Dickinson street.
Hancock street, 258 feet south from Summer street.
Hanson street, 12 feet south from Village street.
9 feet south from Nevada avenue.
6 feet south from Skehan street.
Harold street, 42 feet north from Dimick street.
Harrison street, 77 feet east from Kent street.
Harrison street (Ward 7), 4 feet east from Elmwood street.
Harvard street, 13 feet north from Atherton street.
23 feet north from Harvard place.
Hathorn street, 145 feet south from Broadway.
Hawkins street, 50 feet north from Lake street.
Hawthorne street, 8 feet east from Cutter avenue.
209 feet east from West street.
Heath street, 3 feet west from Temple street.
308 feet west from Langmaid avenue.
100 feet west from Bond street.
4 feet east from Fenwick street.
5 feet east from Moreland street.
Henderson street, 107 feet north from Wilton street.
Herbert street, 163 feet west from Chester street.
Highland avenue, 28 feet west from Hamlet street.
5 feet east from Walnut street.
262 feet west from Walnut street.
80 feet east from Vinal avenue.
41 feet west from Putnam street.
75 feet west from Prescott street.
114 feet west from School street.
410 feet west from School street.
112 feet west from Trull lane.
171 feet east from Central street.
214 feet east from Spring Hill terrace.
23 feet west from Spring Hill terrace.
20 feet west from Belmont street.
4 feet east from Tower street.
2 feet east from Porter street.
212 feet east from Cedar street.
63 feet east from Cherry street.
35 feet east from Hancock street.
4 feet west from Hancock street.
44 feet east from Willow avenue.
3 feet west from Willow avenue.
59 feet east from West street.
36 feet west from West street.
36 feet east from Grove street.
6 feet west from Grove street.
218 feet west from Grove street.
64 feet east from Davis square.

- Highland road, 264 feet north from Morrison avenue.
83 feet south from Frederick avenue.
175 feet north from Frederick avenue.
221 feet south from Boston avenue.
- Hinckley street, 12 feet south from Richardson street.
106 feet south from Broadway.
- Holland street, 39 feet north from Dover street.
193 feet south from Winter street.
136 feet south from Buena Vista road.
5 feet south from Jay street.
3 feet south from Paulina street.
94 feet south from Claremon street.
- Holyoke road (E.), 167 feet south from Elm street.
Holyoke road (W.), 185 feet south from Elm street.
- Homer square, 200 feet west from Bonner avenue.
- Houghton street, 82 feet west from Prospect street.
3 feet west from Bolton street.
10 feet west from Oak street.
- Howard street, 36 feet west from Thorndike street.
- Howe street, 162 feet east from School street.
- Hudson street, 12 feet east from Waldo street.
Opposite Benton road:
294 feet east from Lowell street.
10 feet west from Lowell street.
362 feet west from Lowell street.
675 feet west from Lowell street.
364 feet east from Cedar street.
24 feet east from Cedar street.
- Ibbetson street, 256 feet north from Somerville avenue.
6 feet south from Kimball street.
- Irving street, 6 feet south from Broadway.
285 feet south from Broadway.
542 feet north from Holland street.
190 feet north from Holland street.
- James street, 100 feet north from Pearl street.
- Jaques street, 10 feet west from Fellsway West.
8 feet west from Grant street.
360 feet east from Temple street.
185 feet west from Temple street.
410 feet east from Bond street.
- Jasper street, 5 feet south from Virginia street.
- Jay street, 82 feet north from Howard street.
- Joseph street, 100 feet west from Adrian street.
- Josephine avenue, 397 feet north from Morrison avenue.
90 feet south from Frederick avenue.
129 feet north from Frederick avenue.
425 feet north from Frederick avenue.
213 feet south from Broadway.
- Joy street, 34 feet south from Washington street.
502 feet south from Washington street.
271 feet north from Poplar street.
- Kenneson road, 12 feet south from Broadway.
- Kensington avenue, 6 feet north from Broadway.
316 feet north from Broadway.
- Kent court, 205 feet west from Kent street.
- Kent street, 38 feet south from Somerville avenue.
7 feet north from Kent court.
- Kidder avenue, 346 feet east from College avenue.
- Kilby street, 174 feet south from Somerville avenue.
- Kingman road, 282 feet south from Washington street.

- Kingston street, 95 feet west from Thorndike street.
 Knowlton street, opposite Morton street.
 Lake street, 220 feet west from Hawkins street.
 4 feet east from Carlton street.
 Langmaid avenue, 2 feet north from Broadway.
 Laurel street, 50 feet north from Greene street.
 8 feet north from Park place.
 Leland street, 14 feet south from Dane avenue.
 Lesley avenue, 57 feet north from Highland avenue.
 Lexington avenue, 244 feet west from Cedar street.
 200 feet east from Hancock street.
 3 feet west from Hancock street.
 4 feet east from Henry avenue.
 Liberty avenue, 3 feet north from Kidder avenue.
 207 feet south from Mallet street.
 12 feet north from Mallet street.
 13 feet south from Broadway.
 Lincoln avenue, 206 feet west from Mt. Vernon street.
 Lincoln parkway, 150 feet west from Joseph street.
 290 feet east from Wyatt street.
 Lincoln street, 38 feet south from Broadway.
 174 feet north from Perkins street.
 Linden avenue, 118 feet south from Gilson terrace.
 255 feet south from Olive avenue.
 30 feet north from Olive avenue.
 Linden street, 31 feet north from Charlestown street.
 237 feet south from Somerville avenue.
 Line street, 100 feet north from Smith avenue.
 272 feet north from Cooney street.
 100 feet south from Cooney street.
 400 feet south from Cooney street.
 Linwood street, 385 feet south from Washington street.
 12 feet north from Linwood terrace.
 48 feet south from Lamson court.
 125 feet north from London street.
 52 feet south from London street.
 2 feet south from Linwood place.
 London street, 383 feet east from Linwood street.
 Loring street, 276 feet north from Somerville avenue.
 Lovell street, 41 feet south from Electric avenue.
 Lowden avenue, 85 feet south from Broadway.
 8 feet south from Mallet street.
 178 feet north from Kidder avenue.
 27 feet south from Kidder avenue.
 Lowell street, 1 foot north from Fisk avenue.
 50 feet north from Richardson street.
 183 feet south from Richardson street.
 124 feet south from Wilton street.
 Opposite Vernon street.
 8 feet north from Albion street.
 163 feet south from Highland avenue.
 53 feet north from Crown street.
 351 feet south from Summer street.
 16 feet north from Kimball street.
 Madison street, 103 feet west from School street.
 467 feet west from School street.
 Main street, junction with Broadway.
 112 feet west from Mt. Vernon avenue.
 5 feet west from Moreland street.
 Malloy court, 16 feet south from Somerville avenue.

- Malvern avenue, 146 feet west from Cameron avenue.
7 feet east from Yorktown street.
- Mansfield street, 190 feet north from Somerville avenue.
189 feet south from Washington street.
- Maple avenue, 294 feet east from School street.
- Maple street, 7 feet south from Jackson street.
87 feet north from Poplar street.
- Marion street, 31 feet south from Adrian street.
74 feet north from Wyatt street.
177 feet south from Wyatt street.
40 feet east from Dimick street.
- Marshall street, 80 feet south from Stickney avenue.
30 feet north from Stickney avenue.
Opposite Howe street.
5 feet north from Evergreen avenue.
104 feet south from Mortimer place.
109 feet north from Oakland avenue.
- Meacham road, 4 feet north from Orchard street.
97 feet north from Kingston street.
326 feet east from Lester terrace.
- Meacham street, 14 feet west from Moreland street.
- Mead street, 48 feet east from Claremont street.
- Medford street, 50 feet north from Hennessey court.
56 feet north from Lowell street.
14 feet north from Glenwood road.
16 feet south from Bartlett street.
6 feet north from Central street.
19 feet south from Sycamore street.
15 feet south from Lee street.
46 feet south from Thurston street.
5 feet north from School street.
171 feet north from Marshall street.
266 feet north from Walnut street.
3 feet east from Walnut street.
291 feet south from Walnut street.
8 feet south from Greenville street.
13 feet north from Prospect Hill avenue.
240 feet south from Prospect Hill avenue.
Opposite Chester avenue.
216 feet south from Washington street.
69 feet north from Maple street.
21 feet north from Somerville avenue.
382 feet south from Somerville avenue.
220 feet north from Ward street.
55 feet north from Ward street.
91 feet south from Ward street.
46 feet south from South street.
17 feet south from Warren street.
220 feet south from Warren street.
- Melrose street, 610 feet north from Mystic avenue.
- Merriam street, 160 feet south from Washington street.
25 feet north from Charlestown street.
- Miller street, 300 feet west from Sacramento street.
- Miner street, 137 feet north from Vernon street.
- Mondamin court, 272 feet west from Ivaloo street.
- Monmouth street, 7 feet west from Central street.
156 feet east from Harvard street.
- Montrose street, 10 feet east from Sycamore street.
287 feet east from Sycamore street.
259 feet west from School street.

- Moore street, 22 feet south from Holland street.
335 feet south from Holland street.
21 feet north from Mead street.
- Moreland street, 345 feet north from Meacham street.
3 feet south from East Albion street.
- Morgan street, 125 feet west from Park street.
- Morrison avenue, 124 feet west from Cedar street.
44 feet east from Pearson avenue.
124 feet east from Rogers avenue.
13 feet west from Newberne street.
183 feet west from Clifton street.
33 feet west from Grove street.
- Mossland street, 114 feet north from Somerville avenue.
- Mt. Pleasant street, 140 feet south from Broadway.
135 feet north from Perkins street.
- Mt. Vernon avenue, 156 feet north from Heath street.
38 feet south from Heath street.
- Mt. Vernon street, 246 feet north from Washington street.
8 feet north from Pearl street.
7 feet south from Perkins street.
11 feet south from Lincoln avenue.
5 feet south from Broadway.
- Munroe street, 203 feet east from Walnut street.
6 feet west from Bigelow street.
289 feet west from Boston street.
- Murdock street, 204 feet east from Cedar street.
610 feet east from Cedar street.
- Museum street, 174 feet west from Beacon street.
- Myrtle street, 218 feet north from Washington street.
460 feet north from Washington street.
74 feet south from Pearl street.
219 feet north from Pearl street.
- Mystic avenue, 90 feet east from Union street.
3 feet west from Union street.
438 feet east from Austin street.
115 feet east from Austin street.
11 feet west from Fellsway West.
60 feet west from Temple street.
25 feet east from Melrose street.
228 feet west from Melrose street.
800 feet east from Moreland street.
544 feet east from Moreland street.
241 feet east from Moreland street.
6 feet west from Moreland street.
125 feet west from Fremont street.
- Mystic street, 148 feet north from Benedict street.
- Nashua street, 190 feet south from Wilton street.
- Newberne street, 62 feet south from Morrison avenue
- Newbury street, 15 feet south from Holland street.
260 feet south from Holland street.
558 feet south from Holland street.
777 feet south from Holland street.
200 feet north from Cambridge line.
- New Cross street, 114 feet north from Broadway.
- Newton street, 9 feet west from Joseph street.
- Norfolk street, 27 feet south from Webster avenue.
227 feet south from Webster avenue.
- North street, 18 feet north from Broadway.
13 feet north from south line of Russell road.
453 feet north from Raymond avenue.
190 feet north from city bound No. 17.

- North Union street, 287 feet north from Mystic avenue.
Oak street, 8 feet west from Prospect street.
315 feet north from Houghton street.
Oakland avenue, 109 feet west from Marshall street.
Oliver street, 191 feet east from Cross street.
15 feet east from Glen street.
7 feet west from Franklin street.
Orchard street, 8 feet west from Russell street.
West corner Milton street.
9 feet east from Chester street. .
Ossipee road, 177 feet east from Curtis street.
139 feet west from Packard avenue.
246 feet east from Packard avenue.
44 feet west from Mason street.
Otis street, 12 feet west from Cross street.
440 feet west from Cross street.
9 feet east from Dana street.
6 feet east from Wigglesworth street.
Oxford street, 280 feet west from School street.
46 feet east from Trull lane.
237 feet west from Hersey street.
Packard avenue, 164 feet south from Electric avenue.
34 feet north from Electric avenue.
35 feet south from Powder House boulevard.
Park avenue, 83 feet west from College avenue.
10 feet west from Chandler street.
Park street, opposite Allen court.
187 feet north from Beacon street.
69 feet south from Somerville avenue.
Partridge avenue, 5 feet south from Broadway.
26 feet north from Medford street.
117 feet south from Medford street.
421 feet south from Medford street.
276 feet north from Vernon street.
Paulina street, 184 feet north from Holland street.
288 feet south from Broadway.
5 feet south from Broadway.
Pearl street, 50 feet west from Crescent street.
7 feet north from Pinckney street.
29 feet east from Franklin street.
Opposite Hillside avenue.
15 feet west from Glen street.
90 feet east from Cross street.
3 feet east from Pearl terrace.
6 feet west from Walnut street.
72 feet east from Bradley street.
110 feet east from Marshall street.
Pearson avenue, 309 feet north from Morrison avenue.
44 feet south from Frederick avenue.
308 feet north from Frederick avenue.
Pearson road, 127 feet north from Broadway.
81 feet north from Warner street.
344 feet north from Warner street.
436 feet south from Dearborn road.
131 feet south from Dearborn road.
Pembroke street, 14 feet east from Tennyson street.
Perkins street, opposite Myrtle street.
78 feet east from Florence street.
24 feet east from Pinckney street.
56 feet east from Perkins place.
21 feet east from Mt. Pleasant street.

- Perry street, 324 feet south from Washington street.
Pinckney street, 11 feet north from Washington street.
 330 feet south from Pearl street.
 71 feet south from Pearl street.
 203 feet north from Pearl street.
Pitman street, 180 feet west from Beech street.
Pleasant avenue, 256 feet west from Walnut street.
Poplar street, 21 feet west from Joy street.
 22 feet east from Linwood street.
Porter street, 1 foot north from Mountain avenue.
 282 feet south from Summer street.
 24 feet north from Williams court.
 8 feet north from Parker place.
Powder House boulevard, 133 feet northwest from Broadway.
 560 feet northwest from Broadway.
 319 feet east from Packard avenue.
 191 feet west from Packard avenue.
 172 feet east from Curtis street.
 197 feet west from Curtis street.
 528 feet west from Curtis street.
Prescott street, 330 feet south from Highland avenue.
 586 feet south from Highland avenue.
 257 feet north from Summer street.
Preston road, 269 feet west from School street.
 166 feet south from Summer street.
Princeton street, 175 feet west from Lowell street.
Prichard avenue, 255 feet north from Morrison avenue.
 46 feet north from Frederick avenue.
 168 feet south from Boston avenue.
Professors row, 39 feet east from College avenue.
 158 feet west from Boston avenue.
 126 feet west from College avenue.
 291 feet west from College avenue.
 548 feet east from Packard avenue.
 156 feet east from Packard avenue.
 3 feet west from Packard avenue.
 296 feet west from Packard avenue.
 113 feet east from Curtis street.
Prospect street, 135 feet north from Bennett street.
 7 feet west from Webster avenue.
 185 feet south from Oak street.
 403 feet south from Oak street.
 63 feet north from Houghton street.
Prospect Hill avenue, 10 feet north from Munroe street.
Putnam street, 116 feet south from Highland avenue.
 420 feet south from Highland avenue.
 612 feet north from Summer street.
 308 feet north from Summer street.
 46 feet north from Summer street.
Quincy street, 91 feet north from Somerville avenue.
 381 feet north from Somerville avenue.
 26 feet south from Summer street.
Raymond avenue, 728 feet west from Curtis street.
Richardson street, 11 feet west from Nashua street.
Richdale avenue, opposite Thurston street.
Robinson street, 325 feet west from Central street.
Rogers avenue, 369 feet south from Broadway.
 257 feet north from Frederick avenue.
 88 feet south from Frederick avenue.
 255 feet north from Morrison avenue.

Rossmore street, 244 feet south from Washington street.

Rush street, 84 feet south from Pearl street.

11 feet north from Pearl street.

128 feet north from Brook street.

Russell road, 11 feet north from Broadway.

312 feet north from Broadway.

Sacramento street, 5 feet south from Miller street.

128 feet south from Beacon street.

Sanborn avenue, 55 feet east from Walnut street.

Sargent avenue, 474 feet south from Broadway.

361 feet west from Walnut street.

95 feet west from Walnut street.

Sawyer avenue, 25 feet west from Packard avenue.

School street, 31 feet south from Oakland avenue.

100 feet south from Maple avenue.

6 feet south from Montrose street.

128 feet north from Highland avenue.

88 feet north from Oxford street.

15 feet north from Avon street.

100 feet south from Summer street.

93 feet south from Preston road.

61 feet north from Knapp street.

Sewall street, 311 feet west from Grant street.

Shawmut street, 9 feet west from Washington street.

153 feet west from Shawmut place.

Simpson avenue, 272 feet south from Broadway.

142 feet north from Holland street.

Skehan street, 110 feet east from Hanson street.

Skilton avenue, on east entrance, 173 feet south from south line of Pearl street.

Somerville avenue, 96 feet west from Acadia park.

188 feet west from Mossland street.

308 feet east from Mossland street.

600 feet east from Mossland street.

116 feet west from Elm street.

9 feet east from Ibbetson street.

77 feet east from Belmont street.

14 feet west from Garden court.

133 feet west from Kent street.

13 feet west from Beech street.

11 feet east from Central street.

2 feet west from Abdell street.

15 feet west from Laurel street.

86 feet west from Granite street.

100 feet east from Granite street.

76 feet east from Hawkins street.

185 feet west from Hawkins street.

88 feet west from Quincy street.

105 feet east from Carlton street.

90 feet west from Prospect street.

28 feet west from Linden street.

9 feet east from Mystic street.

94 feet west from Mansfield street.

126 feet east from Medford street.

88 feet east from Poplar street.

145 feet west from Congress place.

13 feet east from Congress place on north side.

313 feet east from Congress place on south side.

882 feet west from East Cambridge line on south side, low level, under steps.

803 feet west from East Cambridge line on south side, high level, near bridge.

670 feet west from East Cambridge line on south side, high level.

650 feet west from East Cambridge line on north side, low level.

312 feet west from East Cambridge line.

215 feet west from East Cambridge line.

100 feet west from Cambridge line.

South street, 97 feet west from Bedford street.

2 feet east from Harding street.

25 feet west from Hunting street.

80 feet west from Willow place.

Spencer avenue, 290 feet west from Cedar street.

63 feet east from Hancock street.

Spring street, 10 feet south from Pitman street.

184 feet north from Atherton street.

Spring Hill terrace, 333 feet south from Highland avenue.

Springfield street, 140 feet south from Concord avenue.

21 feet south from Dickinson street.

177 feet south from Houghton street.

Stickney avenue, 212 feet west from Marshall street.

Stone avenue, 120 feet north from Union square.

275 feet south from Columbus avenue.

Summer street, 148 feet east from Cutter avenue.

Opposite Elston street.

West corner Hancock street.

34 feet east from Banks street.

6 feet east from Cherry street.

6 feet east from Cedar street.

24 feet east from Linden avenue.

Opposite Craigie street.

35 feet east from Porter street.

4 feet east from Lowell street.

3 feet east from Belmont street.

1 foot west from Spring street.

53 feet west from Harvard street.

215 feet east from Harvard street.

59 feet east from Central street.

19 feet west from Laurel street.

52 feet west from Preston road.

191 feet west from School street.

8 feet east from School street.

Summit avenue, 231 feet east from Vinal avenue.

Sunnyside avenue, 99 feet west from Wigglesworth street.

Sycamore street, 18 feet south from Broadway.

62 feet south from Browning road.

1 foot south from Forster street.

200 feet north from Medford street.

174 feet south from Medford street.

Sydney street, 418 feet east from Temple street.

Talbot avenue, 488 feet east from Packard avenue.

Taylor street, 14 feet south from Mystic avenue.

Teele avenue, 174 feet west from Packard avenue.

201 feet east from Curtis street.

Temple street, 4 feet north from Broadway.

123 feet south from Sewall street.

11 feet north from Jaques street.

6 feet south from Derby street.

5 feet south from Sydney street.

Tenney court, 306 feet north from Mystic avenue.

- Tennyson street, 4 feet south from Medford street.
117 feet north from Pembroke street.
- Thorndike street, 4 feet south from Holland street.
82 feet north from Kingston street.
- Thorpe street, 269 feet south from Highland avenue.
- Thurston street, 187 feet north from Medford street.
160 feet south from Evergreen avenue.
6 feet north from Evergreen avenue.
348 feet north from Evergreen avenue.
- Tower street, 18 feet north from Crown street.
- Tremont street, 9 feet south from Webster avenue.
454 feet south from Webster avenue.
- Trull street, 3 feet south from Medford street.
276 feet south from Medford street.
522 feet north from Vernon street.
270 feet north from Vernon street.
- Tufts street, 51 feet north from Washington street.
150 feet south from Glen street.
43 feet north from Glen street.
53 feet south from Dell street.
45 feet south from Cross street.
- Tyler street, 31 feet east from Vine street.
- Union square, 267 feet east from Webster avenue.
15 feet east from Stone avenue.
3 feet west from Bow street.
Centre of square.
- Union street, 3 feet north from Broadway.
123 feet south from Mystic avenue.
- Veazie street, 1 foot west from James street.
- Vernon street, 72 feet west from Partridge avenue.
1 foot east from Bartlett street.
2 feet east from Miner street.
48 feet west from Central street.
- Victoria street, 255 feet south from Broadway.
506 feet south from Broadway.
151 feet north from Woodstock street.
- Villa avenue, 121 feet south from Winslow avenue.
- Vinal avenue, 6 feet south from Highland avenue.
10 feet north from Pleasant avenue.
129 feet north from Aldersey street.
206 feet north from Summer street.
15 feet north from Summer street.
- Vine street, 15 feet north from Beacon street.
Opposite Eliot street.
121 feet south from Tyler street.
32 feet south from Somerville avenue.
- Virginia street, 45 feet west from Aldrich street.
- Waldo street, 6 feet north from Highland avenue.
- Wallace street, 37 feet south from Broadway.
395 feet south from Broadway.
483 feet north from Park avenue.
166 feet north from Park avenue.
10 feet north from Holland street.
- Walnut road, 268 feet west from Walnut street.
- Walnut street, 88 feet south from Wellington avenue.
Opposite Veazie street.
87 feet north from Gilman street.
31 feet north from Pleasant avenue.
12 feet south from Boston street.

- Walter street, 28 feet west from Walnut street.
 50 feet west from Bradley street.
- Ward street, 104 feet west from Medford street.
 7 feet east from Emery street.
- Ware street, 258 feet west from Curtis street.
 638 feet west from Curtis street.
- Warner street, 60 feet north from Broadway.
- Warren avenue, 5 feet north from Sanborn avenue.
 48 feet north from Bow street.
 7 feet south from Columbus avenue.
- Warwick place, 142 feet north from Warwick street.
- Warwick street, 426 feet east from Cedar street.
- Washington street, 69 feet west from Crescent street.
 3 feet west from Waverley street.
 West corner Mt. Vernon street.
 3 feet west from Murray street.
 6 feet west from Florence street.
 15 feet west from Myrtle street.
 2 feet east from Bartlett street.
 18 feet east from Franklin avenue.
 160 feet east from Franklin street.
 58 feet west from Franklin street.
 50 feet east from Shawmut street.
 37 feet east from Rossmore street.
 78 feet east from Boston street.
 28 feet west from Mystic street.
 6 feet west from Clark place.
 156 feet west from Bonner avenue.
 6 feet east from Kingman road.
 243 feet east from Parker street.
 50 feet east from Bowdoin street.
 15 feet east from Perry street.
 9 feet east from Leland street.
 112 feet east from Dane street.
 175 feet west from Dane street.
 45 feet east from Beacon street.
 62 feet east from Line street.
- Water street, 91 feet north from South street.
 254 feet north from South street.
 354 feet north from South street.
- Waterhouse street, 24 feet south from Broadway.
 326 feet south from Broadway.
 630 feet south from Broadway.
- Waverley street, 171 feet south from Washington street.
- Webster avenue, 37 feet south from Washington street.
 190 feet south from Everett street.
 167 feet north from Prospect street.
 14 feet south from Prospect street.
 78 feet north from Tremont street.
 3 feet north from Beach avenue.
 1 foot south from Columbia court.
- Webster street, 25 feet east from Cross street.
 9 feet east from Rush street.
 Opposite Cutter street.
- Wellington avenue, 15 feet west from Montgomery avenue.
- Wesley street, 200 feet north from Pearl street.
- Wesley park, 16 feet north from Bow street.
 335 feet north from Bow street.
- West street, 92 feet south from Highland avenue.
 140 feet north from Highland avenue.

West Adams street, 200 feet north from Conwell avenue.
 480 feet north from Conwell avenue.
 Westminster street, 156 feet south from Electric avenue.
 Westwood road, 90 feet west from Central street.
 58 feet east from Benton road.
 Wheatland street, 129 feet north from Broadway.
 9 feet south from Jaques street.
 73 feet north from Derby street.
 78 feet south from Mystic avenue.
 Whipple street, 101 feet north from Highland avenue.
 Whitfield road, 85 feet west from Packard avenue.
 Wigglesworth street, 14 feet north from Pearl street.
 William street, 8 feet east from Chandler street.
 Willoughby street, 146 feet west from Sycamore street.
 Willow avenue, 14 feet north from Summer street.
 3 feet north from Lexington avenue.
 46 feet south from Morrison avenue.
 42 feet south from Fosket street.
 85 feet south from Frederick avenue.
 171 feet north from Frederick avenue.
 Opposite Mallet street.
 Wilton street, 6 feet east from Nashua street.
 10 feet east from Hinckley street.
 Windom street, 7 feet south from Summer street.
 Windsor road, 86 feet east from Willow avenue.
 45 feet west from Hancock street.
 Winslow avenue, 145 feet east from College avenue.
 5 feet west from Grove street.
 224 feet east from Grove street.
 8 feet west from Clifton street.
 Winter street, 130 feet east from Holland street.
 Winter Hill circle, 178 feet north from Broadway.
 Woodbine street, 222 feet west from Centre street.
 Wyatt street, 8 feet south from Taunton street.

List of Private Hydrants Supplied from the City of Somerville Mains.

John P. Squire & Co.	12
North Packing and Provision Co.	10
New England Dressed Meat and Wool Co.	5
Boston & Maine Railroad	14
Union Glass Works	1
Fresh Pond Ice Co.	1
American Tube Works	2
Middlesex Bleachery	3
Boston Elevated Railway Co.	1
Metropolitan Sewerage Pumping Station	1
Middlesex Paper Co.	2
Derby Desk Co.	1
M. W. Carr & Co.	2
City of Somerville, Water Department	1
City of Somerville, Highway Department	2

Locations of Waterposts.

- 1—Albion street, 83 feet west from Centre street.
- 2—Appleton street, 49 feet west from Willow avenue.
- 3—Bartlett street, 26 feet south from Broadway.
- 4—Beacon street, 33 feet north from Concord avenue.

- 5—Beacon street, 135 feet east from Washington street.
- 6—Beacon street, 33 feet west from Vine street.
- 7—Beacon street, 94 feet east from Sacramento street.
- 8—Bolton street, opposite Baxter school.
- 9—Bonair street, 19 feet west from Wigglesworth street.
- 10—Bond street, 14 feet north from Broadway.
- 11—Boston avenue, opposite Prichard avenue.
- 12—Boston street, 107 feet west from Greenville street.
- 13—Broadway, 75 feet west from Fellsway East.
- 14—Broadway, 6 feet west from City road.
- 15—Broadway, 6 feet west from Irving street.
- 16—Broadway, 120 feet west from Clarendon avenue.
- 17—Broadway, 20 feet west from North street.
- 18—Cameron avenue, 6 feet north from Glendale avenue.
- 19—Cedar street, 96 feet south from Morrison avenue.
- 20—Central street, 89 feet north from Highland avenue.
- 21—Cherry street, 161 feet south from Fairlee street.
- 22—Cleveland street, 169 feet east from Harvard street.
- 23—Columbus avenue, 54 feet east from Walnut street.
- 24—Concord avenue, opposite Knapp school.
- 25—Curtis street, 50 feet east from Professors row.
- 26—Dana street, 30 feet east from Pearl street.
- 27—Elm street, 25 feet west from Burnside avenue.
- 28—Flint street, 47 feet east from Cross street.
- 29—Francesca avenue, 50 feet east from College avenue.
- 30—Franklin street, 127 feet south from Broadway.
- 31—Frederick avenue, 66 feet east from Willow avenue.
- 32—Gilman street, 63 feet east from Walnut street.
- 33—Grove street, 19 feet south from Highland avenue.
- 34—Jaques street, 159 feet west from Grant street.
- 35—Laurel street, 20 feet south from Summer street.
- 36—Liberty avenue, 46 feet south from Broadway.
- 37—Linwood street, 70 feet west from Poplar street.
- 38—Lowell street, opposite Crown street.
- 39—Lowell street, 34 feet north from Highland avenue.
- 40—Lowell street, 102 feet north from Wilton street.
- 41—Meacham road, 39 feet west from Dover street.
- 42—Medford street, 35 feet east from Ward street.
- 43—Medford street, 24 feet north from Highland avenue.
- 44—Medford street, at Gilman square.
- 45—Medford street, 19 feet east from Glenwood road.
- 46—Montrose street, 204 feet west from School street.
- 47—Moreland street, 28 feet north from Meacham street.
- 48—Mt. Vernon street, 71 feet south from Broadway.
- 49—Mystic avenue, 33 feet west from Union street.
- 50—New Cross street, 64 feet north from Broadway.
- 51—Orchard street, 107 feet west from Dover street.
- 52—Otis street, 127 feet west from Cross street.
- 53—Packard avenue, 55 feet southwest from Powder House boulevard.
- 54—Paulina street, 26 feet east from Holland street.
- 55—Pearl street, 28 feet east from Myrtle street.
- 56—Pleasant avenue, 104 feet west from Walnut street.
- 57—Prospect street, 30 feet north from Somerville avenue.
- 58—Putnam street, 96 feet north from Summer street.
- 59—School street, 116 feet south from Broadway.
- 60—School street, 188 feet north from Highland avenue.
- 61—School street, 50 feet north from Berkeley street.
- 62—Shawmut street, 74 feet north from Shawmut place.
- 63—Somerville avenue, 871 feet west from East Cambridge line.

- 64—Somerville avenue, 150 feet west from Congress place.
- 65—Somerville avenue, 89 feet east from Mystic street.
- 66—Somerville avenue, 119 feet west from School street.
- 67—Somerville avenue, 35 feet east from Central street.
- 68—Somerville avenue, 92 feet west from Kent street.
- 69—Somerville avenue, 120 feet west from Oak square.
- 70—Somerville avenue, 42 feet east from Mossland street.
- 71—Summer street, 14 feet east from Belmont street.
- 72—Summer street, 32 feet east from Cedar street.
- 73—Summer street, 35 feet east from Cutter avenue.
- 74—Sycamore street, 28 feet west from Medford street.
- 75—Temple street, 31 feet north from Broadway.
- 76—Tremont street, 120 feet south from Webster avenue.
- 77—Tufts street, 114 feet east from Cross street.
- 78—Vernon street, 45 feet west from Central street.
- 79—Washington street, 96 feet west from Myrtle street.
- 80—Washington street, 7 feet west from Boston street.
- 81—Washington street, 34 feet west from Union square.
- 82—Washington street, opposite Leland street.
- 83—Wheatland street, 30 feet south from Mystic avenue.

Locations of Drinking Fountains.

Broadway, opposite park, near Fellsway East	H
Union square, junction Somerville avenue and Washington street	H
Union square, in front of Hill building	D I
Gilman square	D I
Cutter square	C
Davis square, in front of Medina building	D I

H, horse trough ; D, drinking fountain ; I, ice water ; C, combination trough and drinking fountain.

Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1911.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

GENERAL STATISTICS.

Population by census of 1910, 77,236.

Date of construction: commenced in 1868.

By whom owned: City of Somerville.

Source of supply: Metropolitan water system.

Mode of supply: Water is delivered into the city's mains, under both high and low pressures, by the Metropolitan Water Works.

STATISTICS OF CONSUMPTION OF WATER.

Estimated total population at date, 79,000.

Estimated population on lines of pipe, 79,000.

Estimated population supplied, 79,000.

Total consumption for the year, 2,153,171,500 gallons.

Average daily consumption, 5,899,100 gallons.

Gallons per day to each inhabitant, 74.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

MAINS.

Kind of pipe, cast-iron.

Sizes, from 4-inch to 20-inch.

Extended 3,838 feet during year.

Total now in use, 95.83 miles.

Number of leaks per mile, .07.

Number of hydrants added during year (public and private), 20.

Number of hydrants (public and private) now in use, 1,140.

Number of stop gates added during year, 50.

Number of stop gates now in use, 1,519.

Number of blow-offs, 152.

Range of pressure on mains, 35 pounds to 100 pounds.

SERVICES.

Kind of pipe: Lead: wrought iron—lead-lined; wrought iron—cement-lined; cast iron.

Sizes, one-half to six inches.

Extended 7,468 feet.

Total now in use, 80 miles.

Number of service taps added during the year, 235; discontinued, 27.

Number now in use, 12,357.

Number of meters added, 770; discontinued, 54.

Number now in use, 6,533.

Percentage of services metered, 53.

Percentage of receipts from metered water, 59.

Number of motors and elevators added, 0.

Number now in use, 7 (included in number of meters).

FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES.	
From Water Rates:—		Water Works Maintenance:—	
<i>A.</i>	Fixture rates	<i>AA.</i>	Operation (management and repairs)
<i>B.</i>	Meter rates		\$27,203.93
<i>C.</i>	Total from consumers	<i>BB.</i>	Special:—
<i>M.</i>	From other sources:—		Miscellaneous accounts
	Water service assessments		12,472.62
	Labor and materials	<i>CC.</i>	Total maintenance
			\$39,676.55
		<i>DD.</i>	Interest on bonds
			1 980.00
		<i>EE.</i>	Payment of bonds
			6,000.00
		Water Works Construction:—	
		<i>GG.</i>	Mains
			\$5,157.92
		<i>HH.</i>	Services
			4,587.75
		<i>JJ.</i>	Meters
			5,194.22
			Waterposts
			30.45
		<i>KK.</i>	Total construction
			\$14,970.34
		<i>LL.</i>	Unclassified expenses:—
			Metropolitan water assessment
			115,094.29
		<i>MM.</i>	Balance:—
			Ordinary
			65,536.57
			Total balance
			65,536.57
<i>N.</i>	Total	<i>N.</i>	Total
			\$243,257.75

Disposition of balance: applied to other municipal purposes.

O. Cost of works to date \$944,558.34

P. Bonded debt at date 45,000.00

R. Average rate of interest, 4 per cent.

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

OFFICE OF CHIEF OF FIRE DEPARTMENT, }
Somerville, Mass., December 31, 1911. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I have the honor of submitting for your consideration the annual report of the condition and operation of the fire department for the year ending December 31, 1911:—

Alarms of Fire.

Number of bell alarms	253
Number of still alarms	281
Total alarms	534
Number in excess of 1910	73
Value of buildings at risk	\$516,650 00
Insurance on buildings	346,915 00
Damage to buildings	29,386 32
Value of contents	207,550 00
Insurance on contents	138,700 00
Damage to contents	24,123 75
Total value of risks	724,200 00
Total insurance	485,615 00
Total damage	53,510 07

Bell Alarms and Causes Thereof.

Accidental	5
Automobile in street	2
Bonfires	4
Burning food on stove	1
Boys and matches	10
Broken gas fixture	2
Children playing with matches	15
Clothing hanging near stove	5
Clothing in contact with lamp	6
Curtain set from snap match	3
Curtain in contact with gas jet	6
Careless use of matches	4
Combustion	3
Curtain in contact with gas stove	1
Chimney fires	7
Cellar wall falling	1
Defective fireplace	1
Defective wiring	3
Defective gas jet	2
Defective chimney	5
Drying plastering	2
Electric car	2
Electric wire in tree	3

Carried forward 93

Brought forward	93
Electric wire in generator building	1
Fire in Boston	2
Fire in Medford	1
Fire in dump	12
Fat in oven	2
False alarms	24
Grass fire	6
Heating paint on stove	2
Hot ashes in barrel	4
Incendiary	15
Kerosene oil heater	4
Kerosene lamp explosion	4
Kerosene lamp in contact with gasolene	1
Kerosene lamp upset	8
Kettle boiling dry	1
Kettle of tar	2
Leak in gas meter	2
Lighted cigar on window	1
Overheated boiler	1
Overheated kerosene stove	4
Overheated furnace	5
Overheated coal stove	6
Rats and matches	5
Rubbish	8
Spark from boiler	2
Spark from tobacco pipe	8
Stepping on snap match	5
Salamander	3
Spark from incinerator	1
Spark from cigarette	4
Spark from locomotive	6
Spark caused by friction	1
Spark from stove	5
Thawing water pipe	4

CHIEF ENGINEER, FIRE DEPARTMENT.

Service of Companies in Fire Department, Year 1911.

	Engine 1.	Engine 2.	Engine 4.	Engine 6.	Hose 2.	Hose 3.	Hose 5.	Hose 7.	Chemical A.	Ladder 1.	Ladder 2.	Ladder 3.	Totals.
Bell alarms responded to . . .	192	93	95	59	99	124	130	118	147	114	96	45	1,312
Still alarms responded to . . .	30	28	12	54	28	36	21	21	21	5	2	23	281
Miles traveled . . .	428	181½	193	138¾	265	266	214	164½	165¼	133	147½	71	2,367½
Feet of 2½ inch hose used . . .	17,250	10,300	5,150	13,250	7,800	6,950	12,150	13,700	17,400	1,340	1,956	6,650	86,550
Feet of chemical hose used . . .	•	•	•	3,250	3,900	12,500	16,800	14,750	17,400	•	•	•	75,250
Feet of ladders used . . .	•	20	70	•	•	125	•	18	154	1,340	1,956	1,171	4,854
Chemical extinguishers used . . .	4	19	17	•	10	3	3	18	•	7	2	•	83
Gallons of chemical used . . .	•	•	•	780	700	1,750	2,619	2,610	3,500	•	•	937	12,896
Times on duty at other stations . . .	•	•	•	1	•	•	•	•	1	•	•	•	2

Fire Stations and Equipment.

There are eight fire stations located and equipped as follows:—

The Central fire station, 261 Medford street:—

- 1 Third size Metropolitan engine, No. 1, drawn by three horses, capacity 600 gallons a minute, put into service in 1903.
- 1 Hose wagon, drawn by two horses, carries 1,000 feet of two-and-one-half-inch hose and two three-gallon chemical extinguishers, rebuilt in 1910; nine permanent men.
- 1 Holloway chemical engine, drawn by two horses, equipped with two fifty-gallon tanks, 300 feet three-fourths-inch chemical hose, and fifteen feet of ladders, been in service since 1894; three permanent men.

Engine No. 2 station, corner of Broadway and Cross street:—

- 1 Third size Silsby engine, drawn by three horses, capacity 600 gallons a minute, rebuilt in 1904.
- 1 Hose wagon, drawn by two horses, carries 900 feet of two-and-one-half-inch hose, two three-gallon extinguishers, and thirty-five feet of ladders; eight permanent men.
- 1 Combination ladder truck and chemical engine, No. 3, drawn by three horses, carries 386 feet of ladders, longest ladder fifty-foot extension, two thirty-five-gallon chemical tanks, and 300 feet three-fourths-inch hose, put into service December 31, 1910; four permanent men, four callmen.

Union square station, Union square:—

- 1 Ladder truck, No. 1, drawn by three horses, carries 415 feet of ladders, longest ladder fifty-foot extension, and two three-gallon extinguishers; four permanent men, seven callmen.
- 1 Combination hose and chemical wagon, No. 3, drawn by two horses, equipped with two thirty-five-gallon chemical tanks, 800 feet of two-and-one-half-inch hose, 250 feet three-fourths-inch chemical hose, and twenty-four feet of ladders, put into service 1908; four permanent men, three callmen.
- 1 Relief hose wagon, rebuilt and painted in 1910.

Engine No. 4 station, corner Highland avenue and Grove street:—

- 1 Second size Silsby engine, No. 4, drawn by three horses, capacity 700 gallons a minute, rebuilt in 1907, repainted in 1911.
- 1 Hose wagon, drawn by two horses, carries 900 feet of two-and-one-half-inch hose, two three-gallon extinguishers, and forty-five feet of ladders; six permanent men, seven callmen.

Hose No. 5 station, 651 Somerville avenue:—

- 1 Combination hose and chemical engine, drawn by three horses, equipped with two forty-five-gallon chemical tanks, 800 feet of two-and-one-half-inch hose, 300 feet three-fourths-inch hose, and two three-gallon extinguishers. This is the first combination wagon ever built. Four permanent men, one callman.

Engine No. 6 station, Teele square:—

- 1 Second size Metropolitan engine, drawn by three horses, capacity 700 gallons a minute, put into service in 1907, revarnished in 1911.

- 1 Combination hose and chemical wagon, drawn by two horses, equipped with two thirty-five-gallon chemical tanks, 600 feet two-and-one-half-inch hose, 300 feet three-fourths-inch hose, and twenty-four feet of ladders, put into service in 1908; six permanent men, two callmen.

Ladder No. 2 station, 265 Highland avenue:—

- 1 Seagraves trussed truck, drawn by three horses, equipped with 408 feet of ladders, longest sixty-five-foot extension, two three-gallon extinguishers, put into service in 1904; four permanent men, nine callmen.
- 1 Pope-Hartford motor-driven combination hose and chemical, No. 7, equipped with one thirty-five-gallon tank, two three-gallon extinguishers, 600 feet of two-and-one-half-inch hose, and 250 feet of three-fourths-inch chemical hose, put into service April 1, 1910; four permanent men, two callmen.

Hose No. 2 station, Marshall street, near Broadway:—

- 1 Combination hose and chemical wagon, drawn by two horses, and equipped with two thirty-five-gallon chemical tanks, 900 feet of two-and-one-half-inch hose, 300 feet three-fourths-inch chemical hose, and two three-gallon extinguishers; four permanent men, four callmen.

Manual Force.

The manual force of the department consists of 103 members, divided as follows:—

Sixty-three (63) permanently employed, thirty-nine (39) callmen, and one (1) relief driver.

During the year the force has been reduced two (2) callmen through resignation, and three (3) permanent men, through death, resignation, and discharge.

The force has been increased by the appointment of three (3) permanent men.

The small number of men and the continued depletion should be considered seriously and given attention.

By the death of W. Foster Wade on September 20, 1911, the department lost a very promising member. He was a young man of indomitable will and courage and a most companionable associate.

Horses.

There are forty-four horses owned and maintained by the department, forty-one in actual fire service, one for relief work, one used by the fire alarm department, and the chief's horse, retired, but not yet disposed of.

There have been no horses either purchased or disposed of during the past year, which is almost unprecedented.

Each passing year is adding to the ages of the horses, and in the very near future younger horses must of necessity be purchased.

Hose.

There are at present 9,350 feet of two and one-half-inch serviceable hose, 1,100 feet of second-grade, and 1,000 feet condemned.

There have been 600 feet purchased.

There are 2,200 feet of three-quarter-inch chemical hose. During the year there have been 600 feet purchased and 500 feet condemned.

In order that each wagon shall have its required two shifts of two and one-half-inch hose, a necessity, the amount of hose on hand should be 13,600 feet; therefore, considerable new hose should be purchased the coming year.

Recapitulation.

In the very beginning of the year there were 22,000 cards distributed by the permanent men to every family, office, and store in the city for the purpose of advising the people as to the location of the nearest fire alarm box, with instructions for its use and the manner of telephone notification in event of a fire.

The result of this distribution has been gratifying and economical, inasmuch as there have been more than 100 telephone alarms received at the Central fire station and transmitted to the several stations, thereby very materially reducing the bell alarms, and also saving on the wear and tear upon the horses and apparatus.

There have been no large or serious fires, there having been but seventeen with an insurance loss exceeding \$1,000, as follows:—

January 12, 9.15 P. M. Still alarm, Teele square, building owned by Z. E. Cliff, occupied by Fred A. Weldon, grocery; damage to building, \$799; contents, \$1,002.55. Total, \$1,801.55. Rats and matches.

January 16, 8.20 A. M. Box 47, 7 West street, building owned by Elizabeth Buettel, occupied by Julian C. Arnold, dwelling; damage to building, \$1,100; contents, \$200. Total, \$1,300. Thawing water pipes.

January 20, 10.53 A. M. Box 236, 445 Somerville avenue, building owned by R. C. Hawes, occupied by Louis Fireman, dry goods; damage to building, \$800; contents, \$800. Total, \$1,600. Child and matches.

March 4, 1.30 A. M. Box 225, 10 $\frac{1}{2}$ Union square, building owned by Vinal estate, occupants, A. R. Hyde, Charles Carlson, A. Rice; damage to building, \$315; contents, \$720. Total, \$1,035. Overheated stove.

March 12, 12.25 A. M. Box 443, 419 Highland avenue, building owned by E. S. Sparrow, occupied by J. F. Brown, jeweler; damage to building, \$725; contents, \$825. Total, \$1,550. Carelessness with matches.

March 23, 8.14 P. M. Box 434, 29 Josephine avenue, dwelling owned and occupied by George S. Parker; damage to building, \$830; contents, \$275. Total, \$1,105. Defective chimney.

April 1, 10.20 A. M. Box 38, city field, incinerator, property of the city of Somerville, occupied by Paul N. Raymond; damage to building, \$1,000; contents, \$500. Total, \$1,500. Spark.

April 27, 1.14 P. M. Box 412, second alarm, Dante terrace, building owned by J. E. Locatelli, occupant, Dante Club; damage to building, \$1,200; contents, \$50. Total, \$1,250. Shavings.

May 3, 1.06 P. M. Box 17, 1 Arlington street, owner and occupant, Mrs. Charles Williams; damage to building, \$1,295; contents, \$666.25. Total, \$1,961.25. Defective fireplace.

May 20, 3.45 A. M. Box 224, 205 Tremont street, building owned by H. B. Wilder, occupant, Alexander S. Ford, junk; damage to building, \$1,900; contents, \$800. Total, \$2,700. Incendiary.

July 7, 1.15 P. M. Box 48, 81 Clarendon avenue, owner and occupant, Thomas Aldham; damage to house and stable, \$1,025; contents, \$325. Total, \$1,350. Boys playing with matches.

August 21, 7.10 P. M. Box 229, 413 Washington street, buildings owned and occupied by Thomas A. Dewire, wholesale grocer; damage to buildings, \$2,285; contents, \$6,400. Total, \$8,685. Defective wiring.

October 10, 7.48 P. M. Box 214, 17 Westwood road, dwelling owned and occupied by S. Preston Moses; damage to building, \$1,315; contents, \$545. Total, \$1,860. Overheated heater.

October 24, 10.30 P. M. Box 335, 406 Mystic avenue, building owned by Mrs. Margaret Gordon, occupied by Walter P. Gordon, hennery; damage to building, \$791; contents, \$418. Total, \$1,209. Defective wiring.

November 16, 11.55 P. M. Box 412, 785 Somerville avenue, building owned by John Downey; occupants, Charles J. Brookings and S. A. Anderson; damage to building, \$1,000; contents, \$332.50. Total, \$1,332.50. Spark from pipe set fire to couch. At this fire Charles J. Brookings was so badly burned that he died a few hours later.

November 20, 6.08 P. M. Box 225, 53-55 Union square, building owned by E. C. Booth, occupant, Jackson Caldwell & Co., furniture; damage to building, \$350; contents, \$1,000. Total, \$1,350. Match in excelsior.

December 29, 6.52 A. M. Box 216, 41 Putnam street, building owned by Wilbur S. Clarke; occupants, H. S. Lockwood, Mrs. A. F. Newman, Rev. W. S. Thompson; damage to building, \$922; contents, \$1,392.68. Total, \$2,314.68. Clothing hanging near stove.

An exact comparison of upkeep between the auto combination (Hose 7) and the horse drawn combination (Hose 2) for twelve months, aside from salaries of men, slightly favors the motor driven, inasmuch as the expense of Hose 7 was \$288.55 as against Hose 2, \$310.84. Included in the auto expense was an item of \$122.33 for two accidents. Eliminating this expense, the auto has been maintained at 47 per cent. less expense than the horse drawn apparatus.

Band or friction brakes have been applied to Hose 2, Ladder 2, and Engine No. 4 wagons, replacing the old-style shoe brakes, thereby saving an immense amount of wear upon the rubber tires. Every piece of apparatus in the city is now equipped with this style brake.

Very late in the year a machine or repair shop was installed by partitioning off a part of the annex to the Central fire station. Although but a short time in operation, it has demonstrated its economical value, inasmuch as the work already performed has nearly, if not quite, paid for its equipment.

On November 8 Engine No. 2 was brought to the shop, and all lower fittings to the boiler were replaced, it being in a deplorably leaky condition, practically going out of service at every working fire.

The department is to be congratulated in having amongst its members willing, competent, practical, and mechanical men to perform needed repairs and emergency work.

The ordinance relative to "Setting fires in the open air" and placing the granting of the permits for same in the hands of the chief of the fire department, has proven its worth from the fact that in 1910 there were twenty-one alarms for rubbish and tar kettle fires, whereas this year there have been but eight for a like cause. One hundred and seven applications for fire permits were investigated, and thirty-six written permits granted.

The promiscuous and unlicensed use, as garages, of buildings throughout the city is an ever-present fire menace. In many cases a keg of powder would be safer. It is advisable, in fact urgent, that there should be enacted an ordinance requiring certain protective restrictions and regulations upon all buildings used for the housing of automobiles, and, furthermore, a system of frequent inspections.

During the past year there have been twenty-one bell alarms for fires with the cause directly attributable to sparks upon shingle roofs, in many instances attended with considerable damage. Roof fires are the most inaccessible that the department has to contend with. Almost daily the newspapers report fires of this kind. These records should be a daily reminder of the presence of a condition that favors a general conflagration, a hot blaze to begin with, a high wind, and many buildings with shingled roofs in the wind's path, that tells the whole story. Even with the best equipment a conflagration danger is ever present. Don't wait for a catastrophe.

On September 15 mutual aid was established between this city and the town of Arlington, this connection completing the circle of mutual aid with adjoining territory. Boston, Cambridge, Medford, and Arlington respond to the following boxes in this city on the first alarm:—

Engine 32, Charlestown, 17, 18, 122, 156.
Engine 3, Cambridge, 113, 121, 221.
Engine 4, Cambridge, 427, 445, 446.
Engine 5, Cambridge, 26, 212, 219, 226, 241.
Ladder 2, Cambridge, 21, 23, 212, 221.
Combination B, Medford, 35, 37, 38, 326, 337.
Chemical A and Hose 3, Arlington, 71, 448, 452.

On the other hand, we reciprocate by answering, with the nearest piece of apparatus, to four boxes in Charlestown, fourteen in Cambridge, five in Medford, and five in Arlington. Furthermore, on second alarms from boxes within answering distance, we respond without request, and enjoy the same courtesy from our neighbors.

Recommendations.

I renew my recommendation of last year relative to the purchase of an aerial truck for the Union-square station. It is true that we have been fortunate in not having any fires originate, of any serious nature, in the upper stories of the large business buildings in this section, but sometime a fire will occur above the reach of the present ladder equipment which may cause a disastrous loss of life and property.

A ladder truck in the Clarendon-hill district is imperative. The rapid increase of the three-storied structures calls for more adequate ladder equipment, Ladder No. 2, the nearest ladder truck, being more than a mile away.

A motor-driven combination wagon for the Central station, to replace Chemical A and Engine No. 1 wagon, would greatly reduce the present expense, i. e., the maintenance of four horses and other incidentals attendant upon horse-drawn apparatus.

The early erection of the proposed Winter Hill fire station, with the installation of motor-driven apparatus, would release an excellent combination wagon that can be placed in Hose No. 5 station, thereby reducing the maintenance of that station, and furthermore, would replace a three-horse-drawn antiquated piece of apparatus.

I recommend the purchase of a motor-driven pumping engine for the Teele-square station. The installation of a piece of apparatus of this kind would greatly add to the efficiency of the department in the western half of the city. The present horse-drawn engine cannot render its full service owing to its lack of availability and the limitations of horseflesh.

The popularity and efficiency of motor-driven over horse-drawn apparatus is unquestioned, and that its full effectiveness may be wholly apparent, it will be necessary to remodel our present fire alarm system; in fact this should be done immediately, that our present fire equipment may render its best service. Many valuable seconds are lost awaiting our slow-striking system to tell us where to go.

An automobile should be immediately secured for the chief, that the duties required of the position may be properly and effectually accomplished.

Conclusion.

The energy, efficiency, and promptness of the men, coupled with the good conditions of the horses and apparatus, have been responsible for the past year's excellent service and good results. Although the number of alarms, both bell and still, are in excess of the previous year and the property value at risk fifty per cent. more, nevertheless the insurance loss has been \$5,595.32 less, and, with the exception of the year 1906, the smallest for the past ten years.

In closing, I wish to extend to the officers and members of the department my sincere thanks for the willing spirit displayed and the faithful manner in which they have performed the arduous duties of their calling. I also desire to express my appreciation and thanks to his honor, the mayor, and the board of aldermen for their courtesy, confidence, and co-operation. I have endeavored to keep within the bounds of economy in the maintenance and at the same time give to the public proper protection and service.

Respectfully submitted,

SEWALL M. RICH,
Chief Engineer.

REPORT OF THE CHIEF OF POLICE.

OFFICE OF CHIEF OF POLICE, }
City of Somerville, January 7, 1912. }

To the Honorable, the Mayor, and Board of Aldermen of the
City of Somerville:—

Gentlemen,—I herewith respectfully submit for your consideration my third annual report as chief of police, giving in detail the amount of work performed by the police department for the year ending December 31, 1911:—

Arrests.

Whole number of arrests made	1,349
With and without warrants	938
On summons and notification	411
	<hr/> 1,349
Males	1,257
Females	92
	<hr/> 1,349
Americans	838
Foreign born	511
	<hr/> 1,349
Residents	890
Non-residents	459
	<hr/> 1,349

1.—Crimes and Offenses Against the Person.

Abduction	1
Assault	3
Assault with dangerous weapon	6
Assault with intent to kill and murder	5
Assault on officer	1
Assault and battery	138
Assault and battery on officer	1
Manslaughter	3
Murder	1
Rape, attempt	2
Robbery	2
Threats	8
	<hr/> 171

2.—Crimes and Offenses Against Property.

Breaking and entering, attempt	1
Breaking and entering	45
Breaking and entering railroad car	3
Breaking glass, wantonly	21
Evading fare on railway	1
Larceny	107
	<hr/> 178
Carried forward	178

Brought forward	178
Larceny in building	14
Larceny from person	1
Malicious injury to building	1
Malicious injury to real estate	1
Mortgaged property, concealment of	2
Mortgaged property, sale of	1
Receiving stolen goods and property	4
Trespass	28
Trespass with intent to steal	5
Unlawful appropriation of horse and wagon	3
Unlawful use of horse and wagon	1
Unlawful use of registered milk cans	12
Wanton injury to a door	1
Wanton injury to personal property	5
Wanton injury to a tree	1

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3.—Crimes and Offenses Against Public Order, Etc.

Abortion	2
Automobile laws, violation of	49
Bail surrender	1
Bastardy	8
Boiler laws, violation of	3
Burglars' tools, in possession of	1
Capias for witness	1
Cigarette law, violation of	1
City ordinances, violation of	79
Contempt of court	2
Cruelty to animals	3
Defaults on warrants	3
Disorderly conduct on public conveyance	3
Disturbing the peace	18
Disturbing the peace on public conveyance	1
Dog keeping, unlicensed	5
Drunkenness	478
Drunkenness, common	18
Escape from Lyman School	1
Failing as attending physician to notify board of health,	1
Forgery	2
Giving false alarm of fire	3
Lewd cohabitation	10
Liquor laws, violation of	11
Loaded revolver, having on person	2
Lord's Day, violation of	63
Milk laws, violation of	3
Neglected children	6
Neglect to support	62
Peddling without license	3
Perjury	1
Polygamy	1
Runaway boy	1
Safe keeping, alien	1
Safe keeping, demented	3
Safe keeping, insane	2
Safe keeping, pauper	1
Safe keeping, runaway boys	10

Carried forward 863

Brought forward	863
School laws, violation of	3
Selling berries unfit for food	1
Spitting on sidewalk	1
Stubbornness	16
Suspicious person	1
Throwing missiles at railroad train	2
Traffic rules, violation of	1
United States mail, fraudulent use of	1
United States navy, deserter	1
United States navy, straggler	1
Unlawfully holding himself out as practitioner of medicine	1
Unlawfully practicing medicine	1
Unlawfully riding on freight train	1
Uttering a forged instrument	1
Vagrancy	15
Violating terms of probation	2
Violation of parole from Industrial School for Girls	1
Violation of parole from Lyman School	1
Walking on railroad track	4
Wilfully disturbing an assembly	1
Wilfully interrupting a funeral procession	1
	<hr/> 920

Recapitulation.

(1) Crimes and Offenses Against the Person	171
(2) Crimes and Offenses Against Property	258
(3) Crimes and Offenses Against Public Order, Etc.	920
	<hr/> 1,349
Released by probation officer for drunkenness	32
Surrendered by probation officer for drunkenness	1
Surrendered to other officers and institutions, etc.	62
Delivered to superior court, on capias, etc.	6
Delivered to jail at East Cambridge, bail surrender, etc.,	7
Bailed to appear at other courts	4
Cases dismissed in police court	9
Surrendered to police court on capias, default warrants, etc.	5
Released by officer in charge, suspicious person	1
Suicide in station	1
Cases in which nolle prosequi was entered	15
	<hr/> 143
Whole number of arrests made	1,349
Cases in which no prosecution was made in Somerville	143

Number of cases held for trial 1,206

Note.—Two hundred and four of the above number of cases were juveniles and delinquents.

Miscellaneous Reports.

Accidents reported	144
Accidental shooting	1
Alarms given for fire	7
Amount of property reported stolen	\$8,973.83
Amount of property recovered	\$4,070.72
Amount of property reported lost	\$336.00

Amount of lost property recovered	\$80.51
Amount of property reported destroyed and damaged	\$226.00
Assaults reported	5
Attempts to break and enter	33
Attempt to commit larceny	1
Attempt to commit suicide	1
Attempt to give false alarm of fire	1
Attempt to poison child	1
Attempt to rob	1
Attempt to set fire	1
Boarding house beats reported	2
Boundary posts dangerous	2
Bridge railing dangerous	1
Buildings broken and entered, nothing stolen	22
Buildings found open and secured	429
Building moved	1
Buildings reported being repaired, erected, etc.	91
Cat killed	1
Cellars flooded	2
Chimneys blown down	2
Counterfeit money passed	\$1.25
Dead bodies found	3
Defective bill board	1
Defective bridges	6
Defective catch basins	8
Defective gas gate boxes	3
Defective hydrants	2
Defective manhole and manhole covers	8
Defective poles	5
Defective sidewalks	351
Defective sidewalk railing	1
Defective signs and sign posts	18
Defective streets	84
Defective subways	3
Defective voting list	1
Defective water fountain	1
Defective water gates	3
Defective water pipe	1
Defective wires	31
Deserted children found	2
Disturbance suppressed	1
Dogs found	2
Dog found dead	1
Dogs killed	21
Dog licenses, money collected for, by officers	\$1,360.00
Dog reported lost	1
Electric light globes broken	2
False alarms of burglary	2
False alarms of fire given	8
False message delivered	1
Fence dangerous	1
Fence destroyed	1
Fire alarm box broken	1
Fires extinguished without alarm	8
Fires reported	3
Fire set by boys	1
Fire, still alarm for	1
Fire supposed to be incendiary	1
Garages inspected in 1911; number of automobile owners	608

Gas pipes leaking	8
Guard iron at Prospect Hill Tower, dangerous	1
Heat prostrations	10
Horse killed	1
Houses entered, nothing stolen	2
Houses unoccupied	21
Indecent exposure of person	5
Malicious mischief reports	2
Missing persons reported	19
Missing persons found	8
Money obtained by false pretences	\$55.00
Number of larcenies reported	377
Number of street lights reported out	4,248
Obstructions on sidewalk	11
Obstructions in streets	20
Panes of glass broken	72
Permits granted to perform labor on the Lord's Day	73
Persons bitten by cat	2
Persons bitten by dog	2
Persons overcome by illuminating gas	4
Railroad crossing blocked	1
Reports of property damaged, no value given	2
Reports of property found, no value given	9
Robbery	1
Runaway boy located	1
Seals broken on railroad cars	4
Slot machines broken	2
Still-born body found	1
Stray horse cared for	1
Streets flooded	2
Sudden deaths	6
Suicide	1
Summonses served for defendants, etc., to appear in court at other places	32
Team hired and not returned, valued at	\$75.00
Trees dangerous	88
Unconscious person found	1
Unlawful appropriation of team	1
Unlawfully cutting girl's hair	1
Violation of city ordinances	2
Water pipes reported leaking	121
Window broken	1

Intoxicating Liquor.

The following amount of intoxicating liquors and the vessels containing the same were seized, and by order of the court were forfeited to the commonwealth: Fifty-eight and three-fourths gallons of lager beer in 787 bottles, three kegs, thirty cases, one jug; six gallons of ale in 144 bottles and six cases; one-half gallon of whiskey in three bottles and one jug; eleven empty bottles, one empty jug, and four glasses.

Police Signal Service and Horse Drawn Patrol Wagon and Horse Drawn Ambulance Reports.

Number of on duty reports made by the patrolmen	269,351
Number of telephone calls	49,978
Number of runs made with the patrol wagon	625

Number of miles run with the patrol wagon	1,018
Number of prisoners conveyed to station in patrol wagon . .	679
Number of sick and injured persons conveyed in ambulance .	595

Automobile Patrol-Ambulance.

Number of runs made in conveying prisoners to station . .	18
Number of miles run in conveying prisoners to station . . .	44
Number of prisoners conveyed to station	18
Number of sick and injured persons conveyed	13
Number of miles run in conveying prisoners to jail	79.2
Total number of miles run for all purposes	514

Note.—The automobile patrol-ambulance went into commission Thanksgiving day, November 30, 1911.

Official Roster of Department.

CHARLES A. KENDALL, Chief of Police.

Robert R. Perry, Captain.	Edward McGarr, Sergeant.
Dennis Kelley, Lieutenant.	George H. Carleton, Sergeant.
Eugene A. Carter, Lieutenant.	James M. Harmon, Sergeant.
Charles E. Woodman, Lieutenant.	John A. Ray, Sergeant.
Thomas Damery, Inspector.	

PATROLMEN.

Edward M. Carter.	Martin Sharry.
George L. Smith.	Robert T. Blair.
Francis A. Perkins.	Ernest Howard.
Jacob W. Skinner.	Claude L. Crossman.
Theodore E. Heron.	John J. Cummings.
Michael T. Kennedy.	Lemuel J. Simons.
Ezra A. Dodge.	Edmund J. Keane.
Charles W. Stevens.	Denis Neylon.
Daniel G. Simons.	Denis Downey.
Samuel Burns.	Edward M. Davies.
Frederick H. Googins.	George A. C. Peters.
Jotham Chisholm.	James E. Phillips.
William J. Davidson.	Louis J. Belzarini.
Elmer E. Drew.	Walter Reed.
John A. Dadmun.	Dennis G. Mulqueeney.
Eugene A. Woodsum.	Patrick J. Doolin.
George L. Rice.	Edward J. Hopkins.
Myron S. Gott.	William G. Kenney.
Charles W. Reick.	Walter L. Groves.
Frank C. Hopkins.	Frederick G. Jones.
Charles W. Allen.	Joseph A. Dwyer.
Hudson M. Howe.	Thomas P. Walsh.
Ernest S. Goff.	Clyde W. Steeves.
Sanford S. Lewis.	Augustine J. Fitzpatrick.
Frank H. Graves.	Patrick McGrath.
Henry A. Sudbey.	Bernard McCabe.
Thomas F. McNamara.	Harry C. Young.
Louis F. Arnold.	Robert D. Dewar.
Charles S. Johnston.	Peter Moore.
James M. Lynch.	Albert C. Hawes.

RESERVE OFFICERS.

Walter C. Oesting.	Alexander Morrison.
John L. Cameron.	Daniel J. Powers.
Francis P. Higgins.	Jeremiah O'Connor.
Arthur S. Walsh.	James P. Higgins.
John J. McCahey.	Charles E. Wilson.

PATROL DRIVERS AND CHAUFFEURS.

Martin E. Driscoll.	James W. Lundergan.
Charles J. Fulton.	

MATRON.

Minnie F. Woodland.

PENSIONERS, RETIRED ON HALF PAY.

George W. Bean, July 2, 1902.	James J. Pollard, Feb. 27, 1908.
Albion L. Staples, Mar. 24, 1905.	Melville C. Parkhurst, Oct. 31, 1908.
John E. Fuller, Mar. 23, 1906.	Herbert Hilton, Dec. 21, 1911.
Ira S. Carleton, May 9, 1907.	William H. Johnston, Dec. 29, 1911.

Changes in the Department During the Year.

March 23, 1911, Reserve Officer William E. Taylor, discharged.
 April 15, 1911, Patrolman David A. Bolton, resigned.
 May 11, 1911, Francis P. Higgins appointed reserve officer.
 May 11, 1911, Arthur S. Walsh appointed reserve officer.
 June 8, 1911, John J. McCahey appointed reserve officer.
 October 10, 1911, Reserve Officer Bernard McCabe promoted to patrolman.
 October 10, 1911, Reserve Officer Harry C. Young promoted to patrolman.
 October 10, 1911, Reserve Officer Robert D. Dewar promoted to patrolman.
 October 10, 1911, Reserve Officer Peter Moore promoted to patrolman.
 December 14, 1911, Alexander Morrison appointed reserve officer.
 December 14, 1911, Daniel J. Powers appointed reserve officer.
 December 14, 1911, Jeremiah O'Connor appointed reserve officer.
 December 14, 1911, James P. Higgins appointed reserve officer.
 December 21, 1911, Patrolman Herbert Hilton retired on half pay and placed on the pension roll.
 December 21, 1911, Reserve Officer Albert C. Hawes promoted to patrolman.
 December 28, 1911, Charles E. Wilson appointed reserve officer.
 December 29, 1911, Patrolman William H. Johnston retired on half pay and placed on the pension roll.

Sickness and Disability.

The following-named officers have been absent from duty on account of sickness or disability during the year:—

	Days.
Perry, Robert R., captain	5½
Kelley, Dennis, lieutenant	1
Harmon, James M., sergeant	16
Carried forward	22½

Brought forward	22½
Damery, Thomas, inspector	5½
Allen, Charles W., patrolman	30
Belzarini, Louis J., patrolman	17
Blair, Robert T., patrolman	1
Burns, Samuel, patrolman	3
Carter, Edward M., patrolman	3
Chisholm, Jotham, patrolman	5
Crossman, Claude L., patrolman	2
Cummings, John J., patrolman	4
Davidson, William J., patrolman	16
Dodge, Ezra A., patrolman	15
Doolin, Patrick J., patrolman	34
Downey, Denis, patrolman	21
Drew, Elmer E., patrolman	111½
Dwyer, Joseph A., patrolman	5
Goff, Ernest S., patrolman	6
Googins, Frederick H., patrolman	46
Graves, Frank H., patrolman	3½
Groves, Walter L., patrolman	23
Heron, Theodore E., patrolman	10
*Hilton, Herbert, patrolman	290
Howard, Ernest, patrolman	2
Johnston, Charles S., patrolman	16
†Johnston, William H., patrolman	284
Jones, Frederick G., patrolman	3
Lewis, Sanford S., patrolman	4
Lynch, James M., patrolman	7
McNamara, Thomas F., patrolman	10
Mulqueeney, Dennis G., patrolman	11
Neylon, Denis, patrolman	7
Perkins, Francis A., patrolman	10
Peters, George A. C., patrolman	24½
Phillips, James E., patrolman	4
Simons, Daniel G., patrolman	6½
Simons, Lemuel J., patrolman	6
Skinner, Jacob W., patrolman	7
Smith, George L., patrolman	1
Steeves, Clyde W., patrolman	2
Stevens, Charles W., patrolman	15
Sudbey, Henry A., patrolman	12
Woodsum, Eugene A., patrolman	5
Total	1,111

*Hilton, Herbert, retired December 21, 1911.

†Johnston, William H., retired December 29, 1911.

Comparisons of Arrests.

There were 320 less arrests this year than last year, which may be accounted for in part by the falling off in the number of arrests for drunkenness, there being 253 less arrests for this offence than in 1910, which is probably due to the rigid enforcement of the no-license law, and the so-called bar-and-bottle bill, which is in force in Boston.

Regulation of the Liquor Traffic.

The duty of looking after the druggists and the so-called pony expresses has been well performed; a record of sales made by the druggists and deliveries of liquor made by the expresses has been taken for reference. There are few, if any, kitchen bar rooms in existence at the present time.

Detective Service.

The work of this branch of the police service requires tact, patience, skill, and resourcefulness, and the duties have been well and faithfully performed. Particular attention has been given to the finger-print system of identification, and cards are taken in triplicate, one being sent to Washington, D. C., one to the state house in Boston, and one kept on file at police headquarters. The card index system of recording proper descriptions, data, etc., of persons arrested, together with reference to histories and newspaper clippings concerning important cases which this department has dealt with, is now carefully compiled. I wish it were possible to detail more officers for this work, as I believe that this branch is an important part of any police department.

Automobile Patrol-Ambulance.

A new White forty-horse-power gasoline combination patrol and ambulance was installed on November 30, 1911, and fills a long-felt want in this department, and so far has given excellent service. The patrol drivers were instructed in the operation of the car, and two of them have received licenses as chauffeurs.

On account of the installation of the automobile patrol and ambulance, one of the horses, "Tom," who did faithful service for twelve years, was sent to "Red Acre Farm" in Stow, Mass., on December 24, to pass the remainder of his days in a well-earned rest.

One horse is still in the service and is used in cases of emergency.

Performance of Duties.

The officers have nearly all performed their duties in a highly creditable manner, and at all public assemblages have worked in unison and deserve much credit for their deportment. All crimes of a serious nature have received prompt and proper attention, and due to their efforts Somerville has been a very orderly city.

The department has been seriously handicapped by having as one of its members a reserve officer who was arrested early

in the year and found guilty of a number of burglaries. I think I voice the sentiment of every member of the department when I say that any man wearing the uniform of a police officer who will stoop to do this kind of business should receive the condemnation of every respectable person and of every member of the department.

Recommendations.

I would respectfully call your attention to the following recommendations:—

A new police station, or thoroughly remodeling the present building.

More motor vehicles, such as another patrol-ambulance, a runabout for the use of the chief of police, or a horse and buggy in its stead, and one or two motor-cycles.

New police signal system and an electrician continually employed to look after the system, he to be under the immediate control of the chief of police.

All revolvers should be of uniform make, and all of the officers should have target practice, that they may become proficient in their use. Extra saddles and equipments for use of mounted men.

New long clubs. Handcuffs of uniform make.

A competent drill master to drill the men in military tactics, and to hold a parade of the police department in the autumn of the year.

I would suggest that the ordinances and rules governing this department be revised and changes made in them, especially in regard to lost time for sickness, to read something as follows: No pay will be allowed for less than three days' sickness, and half pay only to be allowed for sickness for a period not exceeding thirty days, and then only on filing a certificate from a resident physician, full pay only to be allowed for disability on account of injuries received in the discharge of duties of a perilous nature.

Also in regard to lost time in attending funerals, to read as follows: No pay will be allowed during absence from duty to attend funerals unless the relationship between the decedent and the officer applying for leave of absence is that of father, mother, wife, child, brother, or sister, or wife's father, mother, brother, or sister, and not to exceed three days' leave of absence with pay.

The appointment of additional sergeants, so that there may be more sergeants on street duty and also to take the places of ranking officers who are away one day in each fifteen days.

The liquor officer should be a ranking officer.

Conclusion.

I desire at this time to express to the mayor, Honorable Charles A. Burns, my appreciation of his direction and advice in all matters concerning this department, which have been progressive and for the good of Somerville.

To the members of the board of aldermen, members of the public safety committee, heads of other departments and their assistants, medical examiner, matron at Somerville hospital, Judge of Police Court L. Roger Wentworth, members of the police department, and last, and by no means least, the members of the local newspaper fraternity, with all of whom I have had the most cordial relations and who have materially assisted this department, I tender my most sincere thanks.

Respectfully submitted,

CHARLES A. KENDALL,

Chief of Police.

REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }
City Hall Annex, Somerville, January 1, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1911 is respectfully submitted:—

Section 21, chapter 62, of the Revised Laws provides that sealers of weights and measures shall annually give public notice by advertisement, or by posting, in one or more public places in their respective cities and towns, notices to all inhabitants or persons having usual places of business therein who use weights, measures or balances for the purpose of selling goods, wares, merchandise, or other commodities or for public weighing to bring in their weights, measures and balances to be adjusted and sealed. Such sealers shall attend in one or more convenient places, and shall adjust, seal and record all weights, measures and balances so brought in.

Section 34 of the same chapter provides that each sealer of weights and measures, including the county treasurers, shall receive a fee of one dollar for sealing each platform balance if weighing five thousand pounds or more, and fifty cents if weighing less than that amount, and three cents each for sealing all other weights, measures, scales, beams or balances. He shall also have a reasonable compensation for all necessary repairs, alterations and adjustments made by him.

Where weights, measures and balances are sealed as provided in Section 21 (that is, brought to the office), no fee is charged for sealing.

In compliance with the foregoing Section 21, the customary notice was given by advertising in the Somerville Journal and the Somerville Reporter in March, 1911.

During the year the sealer visited all places in the city where goods were bought or sold, tested all scales, weights and measures, sealed those which were found correct, and condemned all found beyond repair and useless.

Three hundred and two scales, weights and measures were adjusted before sealing, twenty-four scales were tagged for repairs, five of which were repaired as ordered, and the remaining nineteen put out of use.

Work done in weights and measures during the year 1911:—

	No. of Tests Made at Office.	No. of Tests Made Out of Office.	
Number of scales sealed	302	1,713	
Number of weights sealed	282	4,255	
Number of dry measures sealed	733	1,432	
Number of tin liquid measures sealed	2,305	1,584	
Number of glass liquid measures sealed	837	0	
Number of yard sticks sealed	1	150	
Number of coal and berry baskets sealed,	509	2,257	
Number of miscellaneous sealed	6	0	
<hr/>			
Total number of all kinds sealed	4,975	11,391	16,366
Number of scales adjusted and sealed	39	61	
Number of weights adjusted and sealed	40	37	
Number of dry measures adjusted and sealed	5	0	
Number of liquid measures adjusted and sealed	120	0	
<hr/>			
Total number adjusted and sealed	204	98	302
Number of scales tagged for repairs	7	17	
Number of scales repaired as ordered	4	1	
<hr/>			
Total number tagged and repaired	11	18	29
Number of scales condemned	10	5	
Number of weights condemned	1	2	
Number of dry measures condemned	8	6	
Number of liquid measures condemned	111	0	
Number of yard sticks condemned	0	1	
Number of miscellaneous condemned	13	0	
<hr/>			
Total number condemned	143	14	157
<hr/>			
Total number tested in and out of office			16,854

Receipts for the year 1911:—

Appropriation	\$1,900 00	
Fees received for sealing and adjusting	516 28	
<hr/>		\$2,416 28

Expenditures for the year 1911:—

Telephone service	\$29 55	
Printing books and supplies	75 74	
Bills not received in time for December payment	43 15	
Amount paid for team	255 00	
Amount paid for helper	16 75	
Salary of sealer	1,100 00	
Salary of deputy sealer	800 00	
<hr/>		\$2,320 19

Unexpended balance \$96 09

The item of \$43.15 included above was for supplies bought in November and December, 1911, but bills for same were not received in time for the December pay-roll.

JOHN H. DUSSEAUT,
Sealer of Weights and Measures.

REPORT OF THE CITY SOLICITOR.

Somerville, January 17, 1912.

To the Honorable, the Mayor, and Board of Aldermen of the City of Somerville:—

The following is my report as city solicitor for the year 1911:—

Abolition of Grade Crossings. At Webster avenue the work of construction is nearly completed. About fifty claims for land damages have been settled, and seventeen suits on other claims are now pending. Grade crossing matters so greatly increased the work of this department that I found it necessary to obtain the assistance of other attorneys. Payment for their services was made out of the sums received by me as special counsel, all of which have been allowed by the auditor and by the court as a part of the general expense of abolishing the crossings. No work of construction has been done at Medford street, Park street, or Dane street. A decree for the abolition of crossings at these streets was obtained March 3, 1910.

Lowell-Street Bridges. Two claims for land damages have been adjusted by the payment of \$150 in each case, and no suits are now pending.

Claims and Cases in Court. Claims for injuries received by reason of defects in public ways were settled for \$50, \$100, \$110, \$150, \$337.50, and \$350.

Legislative Matters. Perhaps the most important matter before the legislature affecting this city was an attempt to secure the passage of an act whereby various cities and towns would be required to pay a part of the expense of constructing and maintaining bridges over the Charles river between Cambridge and Boston. The attempt was defeated.

Very respectfully,

FRANK W. KAAN,
City Solicitor.

REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }
January 1, 1912. }

To the Honorable, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is respectfully submitted as the fortieth annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1911:—

The receipts and payments were as follows:—

Receipts.

Balance from year 1910, being for dog licenses issued in December, 1910:—		
2 females at \$5.00	\$10 00	
Less city clerk's fees paid to the city treasurer in December, 1910, 2 at \$.20	40	
		\$9 60
For dog licenses issued in 1911:—		
1,345 males at \$2.00	\$2,690 00	
279 females at \$5.00	1,395 00	
95 spayed at \$2.00	190 00	
3 breeders' licenses at \$25.00 . . .	75 00	
		\$4,350 00
Recording mortgages, assignments, etc., 748 papers	\$458 50	
Certificates of marriage intentions, 906 and 2 duplicates at \$1.00	908 00	
Furnishing copies of records	146 00	
Licenses:—		
Amusements:—		
30 monthly licenses at \$4.00 : \$120 00		
117 licenses at \$1.00	117 00	
1 license at \$1.00 for 1912	1 00	
3 licenses for fractional parts of months	4 00	
	242 00	
Auctioneers, 22 at \$2.00	44 00	
Billiard and pool tables and bowling alleys, 26 licenses for 68 tables and 14 alleys, at \$2.00	164 00	
Cry goods and calling, 93 at \$1.00, including 5 not acted on	93 00	
Drain layers, 8 at \$1.00	8 00	
Drivers, 13 at \$1.00	13 00	
Engines and motors, 15 licenses at \$1.00, for 24 motors, 1 boiler, and 4 gas engines, and including 1 license, not acted on, for 2 gas engines	15 00	
Hackney carriages, 8 licenses for 17 carriages at \$1.00	17 00	
Garages, 52 licenses at \$2.00	\$104 00	
3 refused and money not called for	6 00	
1 not acted on	2 00	
	112 00	
Amounts carried forward	\$2,220 50	\$4,359 60

Amounts brought forward	\$2,220 50	\$4,359 60
Innholders and common victuallers, 49 licenses at \$2.00, for 1 innholder and 48 victuallers, including 2 victuallers not acted on	98 00	
Intelligence offices, 11 licenses, including 1 paid for in 1910, making 10 at \$2.00	20 00	
Junk and second-hand licenses:—		
15 licenses at \$25.00	\$375 00	
24 licenses at \$10.00	240 00	
1 refused and money not called for	10 00	
	<hr/>	625 00
Private detectives, 5 licenses at \$10 00	50 00	
Ring bells, 11 licenses at \$1.00	11 00	
Slaughtering, 6 licenses at \$1.00	6 00	
Street musicians, 9 licenses for 17 persons at \$.50	8 50	
Wagons, 51 licenses for 106 wagons at \$1.00	106 00	
Wagon stands, 3 licenses at \$1.00	3 00	
Permits for projections over sidewalks, 21 at \$1.00	21 00	
Permits to transport liquors:—		
15 permits, including one paid for in 1910, making 14 at \$1.00	\$14 00	
4 refused and money not called for	4 00	
	<hr/>	18 00
Recording and issuing sixth-class liquor licenses, 34 at \$1.00	34 00	
Seventh-class liquor license, not issued	1 00	
Filing certificates, 2 at \$.50	1 00	
Repairing and sale of junk badges	2 00	
Sale of old ballots	3 12	
Interest on deposits	13 82	
	<hr/>	3,241 94
Total receipts		\$7,601 54

Payments.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1910, to November 30, 1911, both inclusive:—		
1,340 males at \$2.00	\$2,680 00	
278 females at \$5.00	1,390 00	
95 spayed at \$2.00	190 00	
3 breeders' licenses at \$25.00	75 00	
	<hr/>	\$4,335 00
Less city clerk's fees, 1,716 at \$.20	343 20	
	<hr/>	\$3,991 80

To the city treasurer, monthly:—

City clerk's fees for issuing and recording dog licenses, 1,722 at \$.20	\$344 40	
All the receipts above specified, except for dog licenses	3,241 94	
		<hr/> 3,586 34
Total payments		<hr/> \$7,578 14
Balance, January 1, 1912, being for dog licenses issued in December, 1911:—		
5 males at \$2.00	\$10 00	
3 females at \$5.00	15 00	
		<hr/> \$25 00
Less city clerk's fees paid to the city treasurer, 8 at \$.20	1 60	
		<hr/> <hr/> \$23 40

Credits to city clerk's department account were received from accounts for collection for costs of notices of hearings, from

The Edison Electric Illuminating Company of Boston	\$13 80	
The New England Telephone and Telegraph Company of Massachusetts	37 10	
		<hr/> \$50 90

There have been issued during the year 170 resident hunters' licenses at \$1 each, the fees for which have been paid monthly to the commissioners of fisheries and game of the commonwealth; total, \$170.

Licenses and Permits.

Besides the licenses mentioned in the foregoing list of receipts, licenses and permits have been granted by the board of aldermen, without charge, as follows:—

Auctioneers (to veterans of the Civil War)	4
Children under fifteen to take part in entertainments	10
Newsboys	77
To blast rock or stone	4
To erect or use buildings for gasoline	17
To hold road race in streets	1
To move buildings through streets	5
To parade in streets	5
To hold open-air meetings	3

Gas and Pole Locations.

The Cambridge Gas Light Company and the Charlestown Gas and Electric Company have been granted permission to lay gas mains in sundry streets.

Permission has also been granted The Edison Electric Illuminating Company of Boston and The New England Telephone and Telegraph Company of Massachusetts for the

erection of poles and for the attachments of wires and fixtures, and to the West End Street Railway Company for track locations and electric rights in various streets.

In every order of the board of aldermen granting such permission to use the streets provision is made for the protection of the interests of the city, and a suitable agreement, satisfactory in form to the city solicitor, must be filed with the city clerk before the order can become operative.

Births.

1911.

Number of births reported by physicians and midwives for 1911:—

Males	770
Females	848

A canvass of the city is at present being made under the direction of the city clerk as required by section 5, chapter 29, of the Revised Laws, to ascertain the facts required for record relative to all children born therein during the year.

As the information derived from such canvass will not be available in time sufficient for its incorporation in this report, a statement in full of the births of 1911 will be given in the city clerk's report for the year 1912.

1910.

The following is a statement in full of the births for 1910:—

Number of births (exclusive of still-births) in Somerville in 1910 registered	1,666
Less than previous year	42
Males	848
Females	818
	<hr/> 1,666
Born of American parents	658
Born of foreign parents	654
Born of American father and foreign mother	175
Born of foreign father and American mother	169
Born of American mother and father of unknown nationality	8
Born of foreign mother and father of unknown nationality	2
	<hr/> 1,666
Number of still-births in Somerville in 1910 registered	61
Number of births in other places in 1910 registered	237
	<hr/> 1,964
Number of cases of twins	18
Number of cases of triplets	1

Marriages.

Number of intention certificates issued in 1911	906
More than previous year	73
Marriages registered	959
More than previous year	89

Both parties American	525	
Both parties foreign	229	
American groom and foreign bride	110	
Foreign groom and American bride	95	
	<hr/>	959 couples
First marriage of	1,719	
Second marriage of	191	
Third marriage of	7	
Fourth marriage of	1	
	<hr/>	959 couples

Deaths.

(Exclusive of still-births.)

Number of deaths in Somerville in 1911	1,035
Less than previous year	8
Males	489
Females	546
	<hr/>
	1,035
Under ten years of age	241
10 and under 20 years of age	22
20 and under 30 years of age	55
30 and under 40 years of age	81
40 and under 50 years of age	102
50 and under 60 years of age	115
60 and under 70 years of age	165
70 and under 80 years of age	164
80 and under 90 years of age	79
90 years of age and over	11
	<hr/>
	1,035
Age of oldest person deceased	96 yrs.
Born in Somerville	242
Born in other places in the United States	441
Of foreign birth	349
Birthplace unknown	3
	<hr/>
	1,035
Number of deaths in January	93
" " " " February	116
" " " " March	97
" " " " April	92
" " " " May	81
" " " " June	79
" " " " July	99
" " " " August	72
" " " " September	74
" " " " October	65
" " " " November	79
" " " " December	88
	<hr/>
	1,035

The number of still-births recorded during the year was seventy-five. In addition to the above, 204 deaths which occurred elsewhere were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.

Assessed Polls and Registered Voters.

MEN'S LISTS.

WARD.	PRECINCT.	As- sessed Polls, April 1, 1911.	REGISTERED VOTERS.							
			Nov. 23, 1910.	Re- vised Lists of July 1, 1911.	Added in Sept. and Oct., 1911.	Oct. 18, 1911.	Added in Nov., 1911.	Nov. 22, 1911.	Voted Nov. 7, 1911.	Voted Dec. 12, 1911.
Ward 1 . .	Precinct 1 . . .	1,389	651	588	70	658	20	678	494	476
" 1 . .	" 2 . . .	523	264	239	25	264	10	274	200	199
" 1 . .	" 3 . . .	539	307	288	31	319	7	323	233	230
" 1 . .	" 4 . . .	687	315	282	49	331	5	336	284	300
		3,088	1,537	1,397	175	1,572	42	1,614	1,211	1,205
Ward 2 . .	Precinct 1 . . .	1,099	396	354	86	440	1	441	361	290
" 2 . .	" 2 . . .	1,494	646	571	109	680	3	683	555	327
" 2 . .	" 3 . . .	842	382	331	60	391	..	391	326	231
		3,435	1,424	1,256	255	1,511	4	1,515	1,242	848
Ward 3 . .	Precinct 1 . . .	1,226	700	739	92	831	—1	830	696	461
" 3 . .	" 2 . . .	1,117	761	637	54	691	9	700	569	433
		2,343	1,461	1,376	146	1,522	8	1,530	1,265	894
Ward 4 . .	Precinct 1 . . .	1,368	820	732	71	803	7	810	617	464
" 4 . .	" 2 . . .	1,039	626	560	66	626	10	636	508	390
		2,407	1,446	1,292	137	1,429	17	1,446	1,125	854
Ward 5 . .	Precinct 1 . . .	1,192	929	710	107	817	—4	813	677	539
" 5 . .	" 2 . . .	956	428	534	94	628	5	633	502	382
" 5 . .	" 3 . . .	1,004	563	535	83	618	3	621	517	465
		3,152	1,920	1,779	284	2,063	4	2,067	1,696	1,386
Ward 6 . .	Precinct 1 . . .	1,657	876	803	118	921	10	931	725	574
" 6 . .	" 2 . . .	1,360	767	706	85	791	1	792	605	373
" 6 . .	" 3 . . .	1,164	712	657	109	766	..	766	622	338
		4,181	2,355	2,166	312	2,478	11	2,489	1,952	1,285
Ward 7 . .	Precinct 1 . . .	855	585	537	95	632	..	632	523	273
" 7 . .	" 2 . . .	1,193	696	643	92	735	1	736	604	306
" 7 . .	" 3 . . .	1,043	538	530	80	610	—3	607	471	234
" 7 . .	" 4 . . .	869	560	503	88	591	—1	590	472	241
		3,960	2,379	2,213	355	2,568	—3	2,565	2,070	1,054
City . . .	. . . . .	22,566	12,522	11,479	1,664	13,143	83	13,226	10,561	7,526

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 23, 1910.	Revised Lists of July 1, 1911.	Added in Sept. Oct. and Nov., 1911.	Nov. 22, 1911.	Voted Decem- ber 12, 1911.
Ward 1	Precinct 1 .	44	40	..	40	30
" 1	" 2 .	4	4	2	6	5
" 1	" 3 .	10	10	4	14	7
" 1	" 4 .	18	16	42	58	50
		76	70	48	118	92
Ward 2	Precinct 1 .	3	3	3	6	..
" 2	" 2 .	4	4	3	7	..
" 2	" 3 .	1	1	3	4	..
		8	8	9	17	..
Ward 3	Precinct 1 .	41	37	75	112	87
" 3	" 2 .	38	35	64	99	70
		79	72	139	211	157
Ward 4	Precinct 1 .	19	17	..	17	1
" 4	" 2 .	17	15	..	15	2
		36	32	..	32	3
Ward 5	Precinct 1 .	29	19	-1	18	2
" 5	" 2 .	12	17	3	20	4
" 5	" 3 .	7	7	..	7	1
		48	43	2	45	7
Ward 6	Precinct 1 .	54	45	194	239	221
" 6	" 2 .	13	12	48	60	53
" 6	" 3 .	2	2	26	28	24
		69	59	268	327	298
Ward 7	Precinct 1 .	26	22	1	23	..
" 7	" 2 .	109	94	..	94	7
" 7	" 3 .	62	56	..	56	3
" 7	" 4 .	29	26	..	26	1
		226	198	1	199	11
City . . . . .	. . . . .	542	482	467	949	568

Elections.

The following is a statement of the votes cast, in the several wards of the city, for the candidates for the various offices, at the state election held November 7, 1911:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
GOVERNOR.									
James F. Carey,	Socialist,	33	30	21	25	29	55	40	233
Eugene N. Foss,	Democratic,	474	718	362	250	528	562	424	3,318
Eugene N. Foss,	{ Democratic	101	164	88	82	127	150	114	826
	{ Progressive,								
Eugene N. Foss,		45	57	23	14	17	18	4	178
Louis A. Frothingham,	Republican,	538	253	759	731	960	1,129	1,445	5,815
Dennis McGoff,	{ Socialist	1	3	2	3	2	4	5	20
	{ Labor,								
Frank N. Rand,	Prohibition,	3	1	6	9	19	7	20	65
Blank,		16	16	4	11	14	27	18	106
LIEUTENANT-GOVERNOR.									
Walter S. Hutchins,	Socialist,	34	34	16	18	30	79	41	252
Robert Luce,	Republican,	563	247	792	778	999	1,156	1,463	5,998
William G. Merrill,	Prohibition,	5	4	6	10	68	14	26	133
Patrick Mulligan,	{ Socialist	3	9	4	3	4	7	9	59
	{ Labor,								
	{ Democratic								
David I. Walsh,	{ Progressive,	559	900	422	294	562	656	499	3,892
	{ Democratic,								
Blank,		47	48	25	22	33	40	32	247
SECRETARY.									
David Craig,	{ Socialist	18	18	8	14	18	23	19	118
	{ Labor,								
	{ Democratic								
Frank J. Donahue,	{ Progressive,	492	854	374	242	544	580	390	3,476
	{ Democratic,								
Alfred H. Evans,	Prohibition,	23	5	19	16	35	31	49	178
Rose Fenner,	Socialist,	26	23	13	20	21	32	39	174
Albert P. Langtry,	Republican,	554	239	777	780	989	1,183	1,480	6,002
Blank,		98	103	74	53	89	103	93	613
TREASURER AND RECEIVER-GENERAL.									
Joseph M. Coldwell,	Socialist,	31	28	16	20	26	41	36	198
Jeremiah P. McNally,	{ Socialist	7	11	4	2	8	6	6	44
	{ Labor,								
Charles E. Peakes,	Prohibition,	6	4	13	14	18	11	22	88
Elmer A. Stevens,	Republican,	582	268	808	807	1,047	1,238	1,531	6,281
	{ Democratic								
Augustus L. Thorndike,	{ Progressive,	503	830	371	237	530	571	392	3,443
	{ Democratic,								
Blank,		82	101	53	45	67	85	83	516
AUDITOR.									
Karl Lindstrand,	{ Socialist	9	10	3	5	7	16	15	65
	{ Labor,								
Sylvester J. McBride,	Socialist,	31	29	15	25	23	41	35	199
William W. Nash,	Prohibition,	13	6	59	15	22	27	31	173
	{ Democratic								
Charles B. Strecker,	{ Progressive,	486	824	428	250	545	593	397	3,523
	{ Democratic,								
John E. White,	Republican,	555	248	669	755	988	1,143	1,451	5,809
Blank,		117	125	91	75	111	132	141	792

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
ATTORNEY-GENERAL.									
George W. Anderson,	{ Democratic Progressive, Democratic,	499	831	391	257	555	593	427	3,553
Henry C. Hess,	{ Socialist Labor,	5	13	11	6	6	13	14	68
George E. Roewer, Jr.,	Socialist,	29	24	13	22	22	40	34	184
James M. Swift,	Republican,	559	251	764	781	1,009	1,170	1,490	6,024
Blank,		119	123	86	59	104	136	105	732
COUNCILLOR.									
Edward B. James,	Democratic,	502	839	395	247	576	607	399	3,565
Alexander McGregor,	Republican,	547	248	777	802	997	1,177	1,487	6,035
Blank,		162	155	93	76	123	168	184	961
SENATOR.									
Charles V. Blanchard,	Republican,	567	260	760	795	995	1,197	1,498	6,072
John H. Smith,	Democratic,	531	831	447	270	597	632	467	3,775
Blank,		113	151	58	60	104	123	105	714
REPRESENTATIVES, 25TH DIST. (3)									
Joseph T. Cotter,	Democratic,	484	.....	398	245	530	.....	.....	1,657
William W. Kennard,	Republican,	549	.....	735	739	945	.....	.....	2,968
Daniel B. Mulcahy,	Democratic,	416	.....	310	197	461	.....	.....	1,384
Ray R. Rideout,	Republican,	534	.....	723	752	948	.....	.....	2,957
Charles L. Underhill,	Republican,	511	.....	710	685	903	.....	.....	2,809
Frederick J. White,	Democratic,	491	.....	447	265	589	.....	.....	1,792
William M. Armstrong,		.....	.....	.....	1	.....	.....	.....	1
Blank,		648	.....	472	491	712	.....	.....	2,323
REPRESENTATIVES, 26TH DIST. (3)									
Zebedee E. Cliff,	Republican,	.....	207	.....	.....	.....	1,101	1,486	2,794
Leon M. Conwell,	Republican,	.....	206	.....	.....	.....	1,104	1,332	2,642
Alvah E. Dearborn,	Democratic,	.....	717	.....	.....	.....	551	412	1,680
Charles W. Eldridge,	Republican,	.....	217	.....	.....	.....	1,157	1,394	2,768
Henry C. Rowland,	Democratic,	.....	856	.....	.....	.....	552	400	1,808
Bernard J. Sheridan,	Democratic,	.....	771	.....	.....	.....	596	444	1,811
Blank,		.....	752	.....	.....	.....	795	742	2,289
COUNTY COMMISSIONER.									
Charles J. Barton,	Democratic,	503	838	399	253	568	606	458	3,625
Levi S. Gould,	Republican,	550	245	762	763	983	1,153	1,436	5,892
Blank,		158	159	104	109	145	193	176	1,044
CLERK OF COURTS.									
William C. Dillingham,	Republican,	549	249	794	809	1,047	1,210	1,529	6,187
Thomas F. Kearns,	{ Democratic Progressive, Democratic,	493	840	372	208	508	549	358	3,328
Blank,		169	153	99	108	141	193	183	1,046
REGISTER OF DEEDS.									
Edwin O. Childs,	Republican,	530	237	775	749	1,006	1,168	1,436	5,901
Charles Leo Shea,	Democratic,	535	831	372	269	553	555	401	3,516
Patrick H. Ryan,		.....	.....	.....	.....	1	.....	.....	1
Blank,		146	174	118	107	136	229	233	1,143

	WARDS.							TOTAL.
	1	2	3	4	5	6	7	
SHALL THE PROPOSED AMENDMENT TO THE CONSTITUTION AUTHORIZING THE USE OF VOTING MACHINES AT ALL ELECTIONS BE APPROVED AND RATIFIED?								
Number of "Yes" votes,	566	492	689	615	928	1,052	1,166	5,508
Number of "No" votes,	251	312	250	205	305	355	362	2,040
Blank,	394	438	326	305	463	545	542	3,013
SHALL THE PROPOSED AMENDMENT TO THE CONSTITUTION INCREASING THE POWER OF THE LEGISLATURE TO AUTHORIZE THE TAKING OF LAND AND PROPERTY FOR HIGHWAYS OR STREETS, BE APPROVED AND RATIFIED?								
Number of "Yes" votes,	529	445	639	577	845	993	1,136	5,164
Number of "No" votes,	278	346	269	227	339	367	349	2,175
Blank,	404	451	357	321	512	592	585	3,222
SHALL AN ACT PASSED BY THE GENERAL COURT IN THE YEAR NINETEEN HUNDRED AND ELEVEN, ENTITLED "AN ACT AUTHORIZING THE COUNTIES OF THE COMMONWEALTH TO ESTABLISH RETIREMENT SYSTEMS FOR THEIR EMPLOYEES," BE ACCEPTED?								
Number of "Yes" votes,	650	684	635	601	893	1,054	1,087	5,604
Number of "No" votes,	204	173	292	233	349	338	414	2,003
Blank,	357	385	338	291	454	560	569	2,954
SHALL AN ACT PASSED BY THE GENERAL COURT IN THE YEAR 1911, ENTITLED "AN ACT TO EXTEND THE PROVISIONS OF THE CIVIL SERVICE ACT TO CHIEFS OF POLICE OF CERTAIN CITIES AND TOWNS," BE ACCEPTED?								
Number of "Yes" votes,	539	415	608	582	874	1,004	1,131	5,153
Number of "No" votes,	311	522	385	228	394	436	402	2,678
Blank,	361	305	272	315	428	512	537	2,730

The following is a statement of the votes cast in the several wards of the city for the candidates for the various offices, and on the question of granting licenses for the sale of intoxicating liquors in this city, at the city election held December 12, 1911:—

CANDIDATE.	PARTY.	WARDS.							Total.
		1	2	3	4	5	6	7	
MAYOR.									
Charles A. Burns,	Republican,	604	160	583	631	826	834	820	4,458
James F. Reynolds,	{ Citizens,	569	600	290	213	544	419	215	2,910
E. S. Sparrow,	{ Democratic,							1	1
Blank,		32	28	21	10	16	32	18	157
ALDERMAN-AT-LARGE, WARD 1.									
William H. Smith,	Republican,	591	143	575	594	758	770	783	4,214
John J. Woods,	Democratic,	531	538	231	141	456	336	158	2,391
Blank,		83	167	88	119	172	179	113	921
ALDERMAN-AT-LARGE, WARD 2.									
George A. Wilson,	Republican,	593	312	604	638	855	810	828	4,640
M. W. White,						1			1
Blank,		612	536	290	216	530	475	226	2,885
ALDERMAN-AT-LARGE, WARD 3.									
Frank R. Dunklee,	Republican,	531	137	586	582	740	756	788	4,120
John T. A. Welch,	Democratic,	432	526	245	122	436	307	143	2,211
Blank,		242	185	63	150	210	222	123	1,195
ALDERMAN-AT-LARGE, WARD 4.									
Samuel P. Carrick,	Democratic,	432	498	238	144	419	327	151	2,209
Charles W. Hodgdon,	Republican,	505	124	530	596	730	709	766	3,960
Blank,		268	226	126	114	237	249	137	1,357
ALDERMAN-AT-LARGE, WARD 5.									
Richard F. Churchill,	Republican,	563	182	573	600	867	775	798	4,358
Daniel J. Desmond,						1			1
Blank,		642	666	321	254	518	510	256	3,167
ALDERMAN-AT-LARGE, WARD 6.									
Henry A. Diehl,	Democratic,	434	503	219	115	410	355	144	2,180
Joseph O. Knox,	Republican,	489	141	547	578	741	790	776	4,062
Enic Veck,							1		1
Blank,		282	204	128	161	235	139	124	1,283
ALDERMAN-AT-LARGE, WARD 7.									
William B. Brown,	Republican,	551	191	586	601	804	783	882	4,398
Andrew H. Crispin,					1				1
Francis J. Sullivan,						1			1
Blank,		654	657	308	252	581	502	172	3,126
WARD ALDERMEN (2) WARD 1.									
Ernest F. Flagg,	Democratic,	575							575
Wallace E. Loveless,	Republican,	541							541
William T. McCarthy,	Democratic,	595							595
Justin P. Nowell,	Republican,	553							553
Blank,		146							146

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
WARD ALDERMEN (2) WARD 2.									
Walter W. Burke,	Republican,	....	130	....	....	....	....	....	130
Edmond Russell,	Democratic,	....	619	....	....	....	....	....	619
Alfred J. Toomey,	Democratic,	....	646	....	....	....	....	....	646
Hallet R. Vroom,	Republican,	....	114	....	....	....	....	....	114
Blank,		....	187	....	....	....	....	....	187
WARD ALDERMEN (2) WARD 3.									
Oscar W. Coddling,	Republican,	....	....	537	....	....	....	....	537
Thomas J. Connors, Jr.,	Democratic,	....	....	233	....	....	....	....	233
Robert John Farrell,	Republican,	....	....	575	....	....	....	....	575
Edmund J. Twohig,	Democratic,	....	....	269	....	....	....	....	269
A. H. Hines,		....	....	1	....	....	....	....	1
Blank,		....	....	173	....	....	....	....	173
WARD ALDERMEN (2) WARD 4.									
Morley D. Cameron,	{ Progressive	....	....	....	311	....	....	....	311
	{ Citizens,	....	....	....	....	....	....	....	....
Alfred Ellis,	Democratic,	....	....	....	108	....	....	....	108
Joseph Hillson,	Republican,	....	....	....	469	....	....	....	469
Leod MacLeod,	Republican,	....	....	....	556	....	....	....	556
Blank,		....	....	....	264	....	....	....	264
WARD ALDERMEN (2) WARD 5.									
Charles A. Draper,	Republican,	....	....	....	....	690	....	....	690
Fred E. Durgin,	Republican,	....	....	....	....	653	....	....	653
John W. Hamilton,	Democratic,	....	....	....	....	508	....	....	508
James H. Maguire,	Democratic,	....	....	....	....	713	....	....	713
Blank,		....	....	....	....	208	....	....	208
WARD ALDERMEN (2) WARD 6.									
David H. Fulton,	Republican,	....	....	....	....	....	841	....	841
Fred W. Jackson,	Republican,	....	....	....	....	....	790	....	790
John M. McCarthy,	Democratic,	....	....	....	....	....	333	....	333
William J. Shanahan,	Democratic,	....	....	....	....	....	295	....	295
Blank,		....	....	....	....	....	311	....	311
WARD ALDERMEN (2) WARD 7.									
Arthur W. Glines,	Republican,	....	....	....	....	....	....	790	790
Joseph H. Perry,	Republican,	....	....	....	....	....	....	772	772
Blank,		....	....	....	....	....	....	546	546
SCHOOL COMMITTEE(2 yrs.) WARD 1.									
Elizabeth A. Sullivan,	Democratic,	571	....	....	....	....	....	....	571
Mary G. Whiting,	Independent,	587	....	....	....	....	....	....	587
Blank,		139	....	....	....	....	....	....	139
SCHOOL COMMITTEE(2 yrs.) WARD 2.									
Daniel H. Bradley,	Democratic,	....	605	....	....	....	....	....	605
George W. Pratt,	Republican,	....	146	....	....	....	....	....	146
Blank,		....	97	....	....	....	....	....	97
SCHOOL COMMITTEE(2 yrs.) WARD 3.									
John B. Dayton,	Democratic,	....	....	448	....	....	....	....	448
George E. Whitaker,	Republican,	....	....	568	....	....	....	....	568
M. A. Lincoln,		....	....	1	....	....	....	....	1
Blank,		....	....	34	....	....	....	....	34

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE (2 yrs.) WARD 4.									
Charles A. Kirkpatrick,	Republican,	...	....	....	646	....	....	....	646
Blank,		....	....	....	211	....	....	....	211
SCHOOL COMMITTEE (2 yrs.) WARD 5.									
Henry H. Folsom,	Republican,	....	....	....	....	934	....	....	934
William F. Riley,		....	....	....	....	4	....	....	4
Rev. Thomas R. Reynolds,		....	....	....	....	2	....	....	2
Danl. W. Desmond,		....	....	....	....	1	....	....	1
Blank,		....	....	....	....	452	....	....	452
SCHOOL COMMITTEE (2 yrs.) WARD 6.									
Frederick A. P. Fiske,	Republican,	....	....	....	....	....	850	....	850
Elizabeth T. Mongan,	Democratic,	....	....	....	....	....	691	....	691
Blank,		....	....	....	....	....	42	...	42
SCHOOL COMMITTEE (2 yrs.) WARD 7.									
George Clifton Mahoney,	Republican,	....	....	....	....	....	....	910	910
Blank,		....	....	....	....	....	....	155	155
SHALL LICENSES BE GRANTED FOR THE SALE OF INTOXICAT- ING LIQUORS IN THIS CITY?									
Number of "Yes" votes,		475	513	234	136	332	328	175	2,193
Number of "No" votes,		619	248	615	658	983	875	843	4,841
Blank,		111	87	45	60	71	82	36	492

Liquor License Question

The following is a statement of the votes, during the several years of its submission to the people, on the question of granting licenses for the sale of intoxicating liquors, in this city, together with the number of registered voters and the estimated population for each year:—

YEAR.	YES.	No.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION.
1881	979	1,222		3,678	26,000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,992
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	7,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000
1903	2,248	4,410	550	11,346	67,000
1904	2,022	4,338	447	11,682	69,500
1905	2,483	4,660	531	11,340	*69,272
1906	2,193	5,204	582	11,571	70,000
1907	1,735	4,591	459	11,558	74,000
1908	1,780	4,760	491	12,777	75,500
1909	1,830	4,601	530	12,479	75,500
1910	1,544	3,968	365	12,522	*77,236
1911	2,193	4,841	492	13,226	80,000

* Census.

ORDINANCES.

Somerville, January 1, 1912.

The following ordinances have been adopted since the passage of the Revised Ordinances of 1911:—

No. 41.

An Ordinance Relative to Sureties on Bonds.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No bond given for the protection of the city, with personal surety or sureties, shall be accepted or approved until each surety has made and subscribed a statement under oath that he is worth an amount exceeding the amount of such bond over and above all liabilities and indebtedness, and the statement so made shall designate sufficient property, real or personal, to cover the requirement of the bond, and shall be kept on file with the bond in connection with which said statement is made.

Section 2. This ordinance shall take effect upon its passage.

Approved May 26, 1911.

No. 42.

An Ordinance Relative to the Speedy Settlement of Claims.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. The head of a department may, with the written approval of the mayor and the city solicitor, make settlements of claims for damages against the city. The expense so incurred shall not exceed two hundred dollars on any one claim, and shall be charged to the maintenance account of the department and may be paid by the city treasurer in anticipation of the monthly pay-roll.

Section 2. This ordinance shall take effect upon its passage.

Approved September 15, 1911.

No. 43.

An Ordinance Concerning Military Aid, State Aid, and Soldiers Relief.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. The mayor shall annually appoint, subject to confirmation by the board of aldermen, an agent to take charge of military and state aid and soldiers' relief. He shall hold his office for one year and until another shall be appointed and qualified in his stead, and may be removed and his place for the unexpired term filled at the pleasure of the mayor and aldermen.

Section 2. He shall investigate and report to the finance committee of the board of aldermen upon all applicants and beneficiaries under the statutes relating to military and state aid and soldiers' relief. He shall

investigate at least as often as once a year the cases of all such beneficiaries and report thereon to said committee.

Section 3. Military aid and soldiers' relief shall be given to beneficiaries when authorized by said committee with the approval of the mayor.

Section 4. This ordinance shall take effect on January 1, 1912.

Approved December 29, 1911.

No. 44.

An Ordinance Relative to City Auditing.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. The auditor shall keep suitable books wherein he shall record the date and amount of every account and claim against the city, as finally allowed, designating the fund or appropriation from which the same shall be paid. He shall credit each city account with its appropriation for the financial year, and charge against the same the expenditures, as they shall from time to time be certified by him. Whenever an appropriation for any account is exhausted, he shall immediately give notice thereof to the mayor and board of aldermen, and he shall not certify any claim or account chargeable against any appropriation until the board of aldermen shall provide the means of paying the same.

Section 2. Before money is paid out of the city treasury, a pay roll therefor in writing, with detailed accounts specifying the amounts to be paid, and the persons to whom the payment is due, together with a proper classification of said expenditure, shall be delivered to the auditor by the board or officer incurring the expenditure. In case of any error or informality, the auditor shall make note of the fact, and return the account, with the objections, to the officer or board presenting the same. When the auditor has any doubt concerning the propriety or correctness of any pay roll or account, he may refuse to certify, in whole or in part, any pay roll or account on the ground that it is unlawful, unreasonable, or fraudulent, or on other grounds, and in any case he shall state in writing to the mayor, his reasons for the refusal. The auditor may require any person presenting for settlement an account against the city, to answer as to any facts relative to the justness of such account. The auditor may require every officer of the city who purchases, or supervises the purchase of material or supplies, to certify under oath that the same are necessary, and that such purchase is made without collusion and at the fair market price. He may require every foreman, superintendent, or other officer who approves a pay roll to certify under oath the accuracy of the pay roll. When the pay rolls and accounts due from the city for supplies furnished and services rendered shall have been examined and recorded by the auditor, he shall certify to the correctness of the same and present them to the mayor, who may thereupon draw his warrant on the city treasurer for the payment of the same. No such warrant shall be valid without such certificate by the auditor.

Section 3. The auditor shall countersign all the bonds, notes, and certificates of indebtedness issued for loans to the city, authorized by the board of aldermen. He shall report to the board of aldermen, during the month of January in each year, the expenditures and receipts during the preceding financial year, giving in detail the appropriations and expenditures, and the receipts from each source of income. He shall include in said report a statement of the funded debt and temporary loans, and the rates of interest thereon, and shall exhibit all the

liabilities and assets, as shown on the books in his office at the close of the financial year. He shall also make a monthly report to the mayor and to the board of aldermen and to every board and officer having charge of the expenditure of money, of the expenditures of each department for the past month, and of the amount of such appropriation remaining unexpended.

Section 4. All accounts rendered to or kept in the departments of the city shall be subject to the inspection and revision of the auditor, and shall be rendered and kept in such form as he shall prescribe. As far as in the judgment of the auditor is practicable all accounts of the city shall be kept in accordance with the classifications of the bureau of statistics of the Commonwealth.

Section 5. The auditor annually, in the month of January or February, shall certify to the mayor and to the board of aldermen the amounts under Chapter V. of the Revised Ordinances of 1911 required to be raised by taxation during the current financial year, and to the board of assessors of taxes the amounts required to be assessed under the provisions of said chapter.

Section 6. Section 4 of Chapter IV. of the Revised Ordinances of 1911 is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 4. All boards and officers charged with the expenditure of money shall, on or before the third day of each month, approve their respective pay rolls and the bills belonging thereto, and present them to the city auditor.

Said boards and officers shall include in their respective pay rolls all bills necessarily incurred for the actual running expenses of their several departments, together with all sums made payable by special orders of the board of aldermen, judgments of the courts, and legislative enactments; but for no other purpose except by order of said board.

The pay rolls of all employees required by law to be paid weekly shall be made up to the end of each calendar week and sent, within forty-eight hours thereafter, to the city auditor, who shall, if the pay rolls are correct, approve and send the same within twenty-four hours of the receipt thereof by him to the mayor. The mayor, if satisfied of their correctness, shall sign a warrant for the city treasurer to pay the amounts thereof, and the city treasurer may thereupon pay the same.

The pay rolls for salaries of school teachers shall be prepared by the secretary of the school committee on the last day of each four weeks for which salaries are due, and such pay rolls shall be approved by him and by said committee, and shall be sent to the city auditor, who shall, if the pay rolls are correct, forthwith approve the same. The mayor shall, if satisfied of the correctness of such pay rolls, sign a warrant for the city treasurer to pay the amounts thereof, and the city treasurer may thereupon pay the same.

Pay rolls for money to be paid on account of contracts for work begun, but not completed, shall pass through the same course as herein provided for the monthly pay rolls, except that the provisions in regard to time shall not apply thereto.

The city treasurer may, with the approval of the city solicitor, pay all judgments of the courts in anticipation of the pay rolls.

The mayor shall not, after the passage of the annual order of appropriations, draw his warrant for the payment of any sum from any account until he has ascertained that there is a sufficient amount standing to the credit of such account.

No money shall be paid from the treasury without a warrant therefor, signed by the mayor, except as otherwise provided by law or ordinance.

The city treasurer shall receive the pay rolls and bills, with the war-

rants of the mayor authorizing the payment thereof, on or before the tenth day of each month, and on the fifteenth day of each month, or, if said day shall be Sunday or a holiday, then on the first secular day following, be prepared to pay the same. He may in anticipation of the monthly action, as provided in this ordinance, pay any bond, note, or interest which may mature.

Section 7. Section 5 of said chapter is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 5. The several boards and officers of the city shall, as often as practicable, deliver to the city auditor for collection all accounts against persons indebted to the city, together with certified statements of the same; the city auditor, after making a record of the same, shall deliver said accounts and statements to the city treasurer for collection, and no board or officer, except the city treasurer, shall receive payment of any such account.

The city treasurer, except as in these ordinances or by law otherwise provided, shall collect and receive all water rates, debts, and other demands due the city, and his receipt shall be deemed the only valid and sufficient discharge of any such debt or demand; provided that the right of the city clerk to receive money in the performance of his duties shall not be hereby affected. The city treasurer, whenever an account is delivered to him for collection, as hereinbefore provided, shall forthwith demand payment of the same, and if any such account remains unpaid after three months, he may proceed to collect the same by legal process; or he may do so at any time within three months, if in his judgment and in that of the city solicitor the interests of the city so require.

Section 8. Section 6 of said chapter is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 6. The city treasurer and collector of taxes shall, under the direction of the committee on finance, keep a complete set of books as well as an accurate account of all receipts and payments in behalf of the city. The financial year shall end on the thirty-first day of December.

The city treasurer and collector of taxes shall annually give a bond or bonds, in such form as the city solicitor shall approve, with sufficient sureties, to the satisfaction of the board of aldermen, in such sum as said board may determine. Said bond or bonds shall be executed, approved, and delivered, and be accepted by said board before he enters upon the duties of his office, and within thirty days after his election. In case such bond or bonds be not given and accepted within the time herein required, the election shall be void, and a new election shall be had forthwith.

In case of the death or insolvency of any of the sureties on any bond so given, or if, from any other cause, said bond shall, in the opinion of the board of aldermen, become insufficient for the purposes for which it was given, the city treasurer and collector of taxes shall immediately give a new bond, with sufficient sureties, as hereinbefore provided; and if such new bond is not given and accepted within twenty days after notice to him, it shall be sufficient cause for removal from office.

The city treasurer shall cause all books, papers, vouchers, and documents under his care, together with all money not deposited in national banks or in savings banks or trust companies organized under the laws of Massachusetts, when not in use, to be kept in the safe and vault located in his office. He shall render such other services and furnish such other information respecting the accounts, finances, and payments of the city, as either the board of aldermen or any committee thereof may from time to time require.

Section 9. Section 7 of said chapter is hereby amended by striking out in the fifth and sixth lines the words "certificates transmitted by the city clerk as provided in this ordinance, and also."

Section 10. Section 3 of Chapter V. of said ordinance is hereby repealed.

Section 11. Section 2 of Chapter VI. of said ordinances is hereby amended by striking out the whole of said section and inserting in place thereof the following: Sect. 2. All abatements of taxes, made by the assessors, shall be recorded by them, and the record thereof shall contain the names of all persons whose taxes shall be abated in whole or in part, the amounts originally assessed, the amounts of abatements, and the reasons therefor. A statement of every abatement thus made shall be presented forthwith to the collector of taxes, and a statement of the amounts of such abatements shall be presented at the same time to the city auditor, and the aggregate amount of such abatements to the mayor annually in the month of January in each year.

Section 12. The word account as used in this ordinance shall mean any claim against the city, except bonds, coupons, notes, and scrip.

Section 13. This ordinance shall take effect January 1, 1912.

Approved December 29, 1911.

No. 45.

An Ordinance Concerning Ashes and Offal.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section 2 of Chapter XI. of the Revised Ordinances of 1911 is hereby amended by striking out the words "and for the collection, carrying away, sale and disposal of the house offal and the ashes and house dirt of the city; provided, however, that the offal shall be sold directly to the retail purchasers, and the proceeds of the sales shall be credited to the health department account."

Section 2. The street commissioner shall attend to and have charge of the collection, carrying away, sale and disposal of the house offal and the ashes and house dirt of the city; provided, however, that the offal shall be sold directly to the retail purchasers.

Section 3. This ordinance shall take effect on January 1, 1912.

Approved December 30, 1911.

FREDERIC W. COOK,
City Clerk.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters May 26, 1911.

A

Abbott, A. Warren, 80 Josephine ave., Clerk.
Abbott, Edward D., 71 Craigie st., Painter.
Adam, George, Jr., 5-A Evergreen ave., Wood carver.
Adams, Charles M., Jr., 22 Highland road, Salesman.
Adams, Roy E., 83 Perkins st., Motorman.
Adcock, John H., 205 Highland ave., Plumber.
Aiken, George E., 26 Tower st., Clerk.
Aldrich, Harry M., 103 Highland road, Bookkeeper.
Allen, Carl H., 41 Lowden ave., Clerk.
Allen, Harry G., 16 Chester place, Salesman.
Allen, J. Edward, 52 Hall ave., Manager.
Alletzhauser, Frederick, 9 Wheatland st., Jeweler.
Alls, Charles E., 118 Cedar st., Optician.
Ames, Albert F., 17 Russell st., Stationer.
Anderson, Guy R., 72 Broadway, Salesman.
Anderton, William R., 6 Henry ave., Clerk.
Anthony, Charles P., 14 Professors row, Piano teacher.
Armstrong, Frank F., 91 Summer st., Cooper.
Armstrong, Thomas J. G., 37 Partridge ave., Machinist.
Arnold, Dwight E., 110 Perkins st., Plumber.
Arnold, Henry F., 27 Crocker st., Decorator.
Ash, Samuel T., 20 Ash ave., Moulder.
Ashton, Albert C., 33 Columbus ave., Manufacturer.
Ashton, Harry H., 28 Vinal ave., Salesman.
Ashworth, Fred N., 104 Cross st., Draughtsman.
Atherton, Frank R., 7 Walnut road, Bookkeeper.
Atkinson, Thomas, 69 Highland road, Superintendent.
Atwood, Arthur J., 9 Pearl st., Merchant.
Atwood, Horace F., 38 Windsor road, Clerk.
Atwood, William J., 375 Medford st., Buyer.
Austin, Fred C., 30 Warner st., Printer.
Austin, Lester D., 9 Vinal ave., No occupation.
Avery, J. Edward, 55 Derby st., Clerk.
Ayer, Fred C., 157 Highland ave., Lumber dealer.
Ayles, Jesse A., 185 Highland ave., Electrical engineer.
Aylward, William P., 5 Cameron ave., Clerk.

B

Babbitt, Eugene, 207 Highland ave., Com. merchant.
Babbitt, Eugene L., 207 Highland ave., Bookkeeper.
Babcock, Cyrus W., 23 Chandler st., Box manufacturer.
Babcock, Irving L., 36 Lowden ave., Clerk.
Bacon, Clarence L., 448 Broadway, Milk dealer.
Bacon, Frederick F., 20 Crocker st., Foreman.
Bacon, Oliver, 19 Pembroke st., Accountant.
Baker, Alpha N., 57 Winslow ave., Bookkeeper.
Baker, Charles T., 93 Munroe st., Music teacher.
Baker, Herbert F., 144 Summer st., Agent.
Baker, Tennyson L., 22 Hall st., Salesman.

Baldwin, Warren J., 82 Mt. Vernon st., Real estate dealer.
Barker, Edgar C., 12 Ellsworth st., Clerk.
Barker, Samuel S., 91 Oxford st., Salesman.
Barlow, Frank A., 26 Walnut road, Truckman.
Barnard, Frank M., 95 Belmont st., Bookbinder.
Barnard, George F., 9 Grant st., Salesman.
Barnes, Edmund K., 77 Lexington ave., Chemist.
Barrett, Rufus G., 115 Cedar st., Printer.
Barrett, William W., 8 Gilson ter., Salesman.
Barry, Garrett E., 6 Campbell park, Salesman.
Bartlett, Albert K., 8 Delaware st., Teamster.
Bartlett, George I., 32 Franklin st., Salesman.
Barton, George E., 16 Crocker st., Machinist.
Barton, Walter E., 15 Vinal ave., Salesman.
Bates, Arthur, 45 St. James ave., Salesman.
Bean, Henry E. W., 17 Highland ave., Foreman.
Beattie, Joseph A., 19 Otis st., Teamster.
Beatty, Charles S., 275 Summer st., Broker.
Beckman, Frank W., 39 Stone ave., Freight agent.
Belden, Lawrence A., 51 Avon st., Merchant.
Bell, James B., 28 Sycamore st., Manager.
Bellows, George M., 611 Broadway, Agent.
Belt, Robert M., 124 Sycamore st., Foreman.
Belyea, Charles T., 78 Summer st., Clerk.
Benjamin, George H., 40 Burnside ave., Train master.
Bennett, George H., 15 Pritchard ave., Machinist.
Benson, Henry A., 13 Pleasant ave., Teamster.
Benson, Oscar F., 8 Boston ave., Builder.
Benton, Forest T., 47 Cherry st., Salesman.
Benway, Charles H., 66 Fremont st., Real estate dealer.
Benwell, Harry A., 98 Kidder ave., Reporter.
Berry, Arthur W., 53 Hudson st., Carpenter.
Berry, Charles A., 23 Cutter ave., Clerk.
Berry, Howard C., 26 Richardson st., Machinist.
Berry, James M., 5 Madison st., Druggist.
Berton, John F., 154 Morrison ave., Painter.
Bezanson, LeRoy P., 47 Laurel st., Clerk.
Bickford, Arthur W., 4 Nashua st., Clerk.
Bigley, William J., 157 College ave., Paper dealer.
Bigwood, Albert E., 11 Eastman road, Printer.
Binney, Edward A., 39-A Walnut st., Real estate dealer.
Bishop, Arthur W., 14 Ames st., Commission merchant.
Bishop, Coleman P., 93 Cross st., Salesman.
Bixby, Charles M., 72 Elm st., Merchant.
Blake, Arthur W., 131 Josephine ave., Dry goods dealer.
Blake, Charles S., 19 Banks st., Jeweler.
Blake, Joshua S., 74 Moreland st., Clerk.
Blanchard, C. Frederick, 2 Curtis ave., Real estate dealer.
Blanchard, Hallie G., 89 Yorktown st., Baggage master.
Bliss, Winthrop R., 66 Putnam st., Insurance agent.
Blood, Harry K., 19 Acadia park, Salesman.
Boodry, George R., 26 Josephine ave., Type maker.
Booker, James A., 20 Windsor road, Salesman.
Booth, William G., 51 College ave., Designer.
Boutillier, Ernest G., 41 Ash ave., Foreman.
Bowen, Lorenzo W., 16 Broadway, Real estate dealer.
Bowlby, James L., 3 Harvard place, Teamster.
Bowler, C. Harry, 31 Elm st., Salesman.
Boyd, Ernest H., 37 Spencer ave., Gas inspector.
Boyer, George R., 29 Wigglesworth st., Carpenter.

Brack, Frederick, 33 Cambria st., Insur. superintendent.
 Brackett, James F., 36 Fosket st., Broker.
 Bradbury, John J., 52 Adams st., Provision dealer.
 Brastow, George K., 162 Summer st., Clerk.
 Bremner, John A., 49 Bow st., Painter.
 Brennan, Stephen F., 70 Oxford st., Contractor.
 Brewer, George C., 170 Summer st., Insurance agent.
 Broadhead, William H., 36 School st., Electrician.
 Brock, John F., 60 Ossipee road, Produce dealer.
 Brower, William H., 25 Cambria st., Ticket seller.
 Brown, Burton S., 706 Broadway, Accountant.
 Brown, Duncan, 23 Cedar st., Foreman.
 Brown, George E., 14 Grand View ave., Woolen mer.
 Brownell, Harlow C., 43 Curtis st., Clerk.
 Browning, Louis P., 171 Washington st., Foreman.
 Bryant, Edgar S., 108 Bristol road, Undertaker.
 Bryant, Oliver S., 29 Aberdeen road, Weigher.
 Bullard, Elbridge A., 21 Kidder ave., Slate dealer.
 Bullard, Walter H., 22 Stickney ave., No occupation.
 Burbank, Frederick O., 63 College ave., Stable keeper.
 Burke, James E., 41 Derby st., Real estate dealer.
 Burke, Vincent J., 8 Homer square, Teamster.
 Burnett, Harry B., 31 Windsor road, Bookkeeper.
 Burns, Andrew J., 145 Albion st., Clerk.
 Burroughs, Hamlin E., 83 Munroe st., Manager.
 Butler, George E., 27 Walnut road, Conductor.
 Butterworth, Elwell R., 35 Pearl st., Asst. superintendent.
 Buttimer, Edward M., 351 Lowell st., Painter.
 Buxton, Merrill W., 296-A Summer st., Salesman.
 Buzzell, James H., 28 Lexington ave., Secretary.

C

Caddy, Henry P., 18 Dartmouth st., Bookkeeper.
 Cahalan, Charles W., 89 Heath st., Plumber.
 Cahill, Denis J., 7-A Austin st., Real estate dealer.
 Cain, Harry M., 194 Medford st., Clerk.
 Caldwell, John F., 670 Somerville ave., Salesman.
 Calkin, John B., 30 Irving st., Manager.
 Callaghan, Eugene F., 63 Poplar st., Laborer.
 Callaghan, Thomas J., 39 Poplar st., Yard master.
 Callahan, John J., 5 Bradford ave., Shipper.
 Cameron, George B., 170 Powder-house blvd., Contractor.
 Cameron, John B., 1243 Broadway, Tailor.
 Campbell, George C., 31 Jaques st., Mailing clerk.
 Campbell, Henry F., 414 Medford st., Decorator.
 Campbell, John W., 169 Highland ave., Paint dealer.
 Canty, Stephen A., 98 Highland road, Telephone oper.
 Carey, Edward E., 1 Homer square, Salesman.
 Carleton, Oscar M., 7 Putnam st., Machinist.
 Carpenter, Adelbert B., 58 Central st., Salesman.
 Carpenter, George O., 92 Highland ave., Agent.
 Carpenter, Tyler E., 32 School st., Clerk.
 Carr, Eugene P., 18 Benton road, Manufac. jeweler.
 Carr, Fred M., 12 Westwood road, Manufac. jeweler.
 Carr, Roy W., 130 College ave., Confectioner.
 Carrick, Samuel P., 271 Medford st., Editor.
 Carter, Charles E., 12 Grand View ave., Train inspector.
 Carter, Frederick P., 50 Boston st., Tool maker.
 Carter, William W., 24 Quincy st., Machinist.

Casey, William F., 53 Beacon st., Laborer.
Cassidy, John E., 19 Winter st., Inspector.
Chaffee, Emory F., 109 Pearl st., Druggist.
Challis, Harry A., 114 Hudson st., Salesman.
Chamberlain, Charles L., 62 Cross st., Inspector.
Chandler, Arthur S., 45 Aldrich st., Painter.
Chandler, Harry S., 45 Jaques st., Chemist.
Chapin, Alonzo B., 11 Mystic st., Collector.
Chapin, Charles M., 55 Fairmount ave., Editor.
Chase, Charles C., 32 Grant st., Manager.
Cheever, Albert S., 6 Aldersey st., Superintendent.
Cheney, Frederick E., 11 Oakland ave., Grocer.
Chickering, William H., 15 Evergreen ave., Clerk.
Chisholm, Duncan J., 3 Adrian st., Insurance agent.
Choate, Melville E., 63 Walnut st., Clerk.
Christie, Alexander B., 159 Glen st., Teamster.
Church, Warren H., 30 Warner st., Auditor.
Clapp, Percy B., 48 Hancock st., Draughtsman.
Clark, Alton L., 22 Bonner ave., Plumber.
Clark, Charles W., 21 Westminster st., Salesman.
Clark, George F., 13 West st., Bill clerk.
Clark, George W., 65 Central st., Baker.
Clark, Wilmer B., 20 Main st., Clerk.
Clement, Otis S., 160 Highland ave., Clerk.
Clifford, Rupert F., 54 Willow ave., Tea blender.
Cobb, William E., 92 Bay State ave., Bookkeeper.
Coburn, Fred L., 47 Mt. Vernon st., Printer.
Colby, Walter F., 13 Stickney ave., Salesman.
Cole, Charles E., 61 Ossipee road, Salesman.
Cole, Herbert A., 34 Pearl st., No occupation.
Coleman, Joseph M., 95-A Prospect st., Machinist.
Comstock, Milo M., 9 Burnside ave., Salesman.
Conant, Albert F., 7 Cambria st., Salesman.
Conant, Clarence T., 147 Hudson st., Milk dealer.
Conant, William C., 28 Central st., Merchant.
Connell, Edwin, 150 Pearl st., Plumber.
Connor, Michael J., 10 Columbus ave., Tailor.
Cook, George A., 72 Jaques st., Machinist.
Cook, John D., 80 Irving st., Carpenter.
Cooper, Francis P., 95 Flint st., Engraver.
Copithorne, Forrest O., 15 James st., Salesman.
Copithorne, George A., 92-R School st., Clerk.
Corbett, Thomas H., 21 Prescott st., Clerk.
Corliss, Charles H., 36 Greenville st., Butter merchant.
Corner, Frank B., 19 Highland road, Salesman.
Corwin, Charles J., 195 Highland ave., Auditor.
Corwin, Charles R., 169 Summer st., Poultry dealer.
Cotter, John, 17 Hathorn st., Foreman.
Cotter, Michael L., 11 Tufts st., Wrecking master.
Cotter, William F., 76 Sacramento st., Conductor.
Countway, Francis A., 28 Robinson st., Manager.
Cowan, John F., 332 Summer st., Printer.
Crawford, James A., 26 Eastman road, Carpenter.
Crenner, Bartlett P., 61 Adams st., Leather dealer.
Crocker, Charles F., 42 Curtis st., Grocer.
Cronin, John J., 47 Bow st., Clerk.
Crowell, Albert F., 53 Rogers ave., Head bookkeeper.
Crowell, Austin, 22 Walnut st., Tailor.
Crowell, Cutler C., 85 Benton road, Printer.

Crowley, Daniel J., 63 Lawrence st., Grocer.
 Cummings, Cecil H., 19 Robinson st., Fruit dealer.
 Cummings, Frederick O., 9 Virginia st., Clerk.
 Curtin, Arthur H. R., 15 Carlton st., Foreman.
 Curtis, Harry W., 33 Fenwick st., Agent.

D

Dalton, Charles H., 13 Thorndike st., Clerk.
 Dalton, James H., 39 Hall ave., Grocer.
 Daly, Charles E., 6 Joy st., Collector.
 Darby, Frederick C., 48 Mystic ave., Foreman.
 Dardis, John F., 307 Washington st., Furniture finisher.
 Davenport, Howard H., 86 Munroe st., Secretary.
 Davis, Henry C., Jr., 108 Packard ave., Accountant.
 Davis, James, 85 Chandler st., Grocer.
 Davison, George Melville, 59 Victoria st., Steam fitter.
 Dawson, Howard, 70 Albion st., Clerk.
 Day, John, 100 Fremont st., Musician.
 Dean, Clarence H., 26 Lowden ave., Foreman.
 Dedrick, Clarence H., 94 Josephine ave., Clerk.
 Dellea, John J., 26 Otis st., Teamster.
 Delorme, George F., 29 Trull st., Metal plater.
 Despeaux, George W., 46 Burnside ave., Collector.
 Dickey, William E., 33 Bromfield road, Salesman.
 Dillaby, Charles P., 34 Banks st., Architect.
 Dinsmore, Fred C., 8 Arthur st., Furniture mover.
 Dixon, David J., 253 Summer st., Painter.
 Dobinson, William J., 22 Greene st., Photo engraver.
 Dodge, Edwin G., 21 Benedict st., Artist.
 Dodge, Waldo E., 9 Boston ave., Clerk.
 Doherty, Cornelius A., 15-A Cross st., Milkman.
 Doherty, George L., 55 Partridge ave., Undertaker.
 Donaldson, George M., 46 Paulina st., Manager.
 Donnell, Eugene D., 112 Packard ave., Real estate agent.
 Donovan, John G., 34 Putnam st., Broker's clerk.
 Dooling, David H., 306 Washington st., Painter.
 Dore, Oliver, 6 Fountain ave., Agent.
 Doten, Herbert W., 115 Glenwood road, Desk manufac.
 Doty, Clark, 113 Glen st., Foreman.
 Dougherty, John E., 7 Oak st., Shipper.
 Douglas, Charles E. M., 144 Lowell st., Salesman.
 Downing, Charles W., 37 Bay State ave., Diamond sales.
 Doyle, Edgar W., 29 Berkeley st., Printer.
 Drew, Frank M., 18 Park ave., Electrician.
 Drouet, E. Charles, 66 Walnut st., Real estate dealer.
 Dudley, Joseph A., 42 Lowden ave., Bookkeeper.
 Duhig, John M., 50 Vinal avenue, Printer.
 Duncan, John, 2 Brastow ave., Manufacturer.
 Dunham, Harry A., 496 Medford st., Grocer.
 Durgin, Fred E., 52 Albion st., Electrician.
 Dyer, Charles W., 158 Walnut st., Carpenter.
 Dykeman, William A., 60 Marshall st., Architect.

E

Earle, Clarence E., 48 Banks st., Printer.
 Easter, William A., 27 Milton st., Electrician.
 Eastman, Ulysses G., 53 Pritchard ave., Carpenter.
 Eaton, Arthur W., 12 Westminster st., Floor walker.

Eaton, Charles H., 5 Ellsworth st., Teamster.
 Eaton, Paul S., 855 Broadway, Druggist.
 Edgerly, Frank C., 17 Veazie st., Milk dealer.
 Edgerton, Earle B., 157 Lowell st., Editor.
 Edson, Charles A., 9 Dana st., Confectioner.
 Edwards, Edward H., 10 James st., Chiropodist.
 Egerton, Charles S., 63 Boston st., Tobacco dealer.
 Eich, John W., 32 Holyoke road, Chemist.
 Ela, William E., 106 Josephine ave., Printer.
 Eldridge, George V., 14 Oak st., Plumber.
 Eldridge, George W., 89 Lowell st., Merchant.
 Eldridge, Washington F., 482 Medford st., Salesman.
 Elie, Rudolph F., 35 Fenwick st., Salesman.
 Elkins, Edward J., 30 Maple st., Teamster.
 Elkins, John F., 142 Medford st., Contractor.
 Elliott, Waldo F., 9 Montgomery ave., Manager.
 Emery, Everett C., 9 Columbus ave., Bookkeeper.
 Emery, Raymond D., 39 Bartlett st., Salesman.
 Epps, Charles A., 27 Charnwood road, Clerk.
 Estey, Clarence A., 16 Highland ave., Clerk.
 Etheridge, Herbert G., 14 Aldersey st., Auditor.
 Eustace, James D., 205 Broadway, Agent.
 Evans, Charles H., 79 Beacon st., Printer.
 Everett, George T., 21 Pembroke st., Clerk.
 Ewing, Joseph A., 296½ Broadway, Clerk.

F

Fairfield, Herbert E., 12 Lovell st., Bookkeeper.
 Fairhurst, Thomas, 59 Lowell st., Chief clerk.
 Fales, Elisha B., 746 Broadway, Bookkeeper.
 Fales, Silas P., 120 Central st., Beef dealer.
 Farmer, Luke W., 92 Thurston st., Manufacturer.
 Farr, William I., 179 Albion st., Cabinet maker.
 Farrar, Willard S., 12 Adams st., Insurance agent.
 Farrell, Robert J., 21 Avon st., Tea merchant.
 Fash, Reuben A., 14 Wheeler st., Ice cream dealer.
 Fay, Francis H., Jr., 105 Linwood st., Shipper.
 Felch, Lewis E., 10 Giles park, Storekeeper.
 Fenelon, Charles P., 36 Beacon st., Clerk.
 Fenelon, J. Robert, 45 Union square, Real estate agent.
 Felt, Irwin S., 36 Bay State ave., No occupation.
 Felt, Jonathan B., 41-B Gilman st., Produce dealer.
 Ferguson, Herbert J., 12 Ibbetson st., Clerk.
 Fermoye, William J., 11 Pleasant ave., Painter.
 Fernald, Edgar A., 140 Central st., Fish dealer.
 Fickinger, Frank A., 76 Winslow ave., Broker.
 Fillebrown, Arthur M., 15 Buckingham st., Machinist.
 Fillmore, Willard P., 19 Conwell st., Carpenter.
 Finney, Nathaniel G., 632 Somerville ave., Painter.
 Fish, Benjamin F., Jr., 24 Boston st., Harness maker.
 Fish, Delos D., 57 Packard ave., Contractor.
 Fisher, Henry W., 46 Highland ave., Engraver.
 Fitch, George B., 19 Dow st., Tailor.
 Fitch, Nathan H., 21 Wheeler st., Salesman.
 Fitz, Charles E., 43 Thurston st., Hay and grain dealer.
 FitzGerald, James B., 21 Oak st., Shipper.
 FitzGerald, William H., 36 Oliver st., Bookkeeper.
 Fitzpatrick, Timothy J., 318 Washington st., Foreman.
 Flagg, Ernest F., 137 Medford st., Painter.

Fleming, David, 237-A Highland ave., Grocer.
 Fleming, William, 73 Florence st., Printer.
 Fletcher, Francis E., 17 Kidder ave., Fruit dealer.
 Fletcher, Willis H., 5 Pearson road, Manager.
 Flint, Frederick W., 19 Hinckley st., Painter.
 Flint, Lester E., 22 Dover st., Manager.
 Flynn, Joseph Edward, 31 Linden st., Clerk.
 Fogerty, John F., 118 Bartlett st., Foreman.
 Ford, Charles S., 11 Grove st., Directory canvasser.
 Ford, Patrick J., 184 Somerville ave., Laborer.
 Fortin, George F., 13 Quincy st., Painter.
 Foster, Herbert G., 15 Greenwood ter., Clerk.
 Foster, John B., 66 Irving st., Artist.
 Foster, Willie F., 56 Curtis st., Bookkeeper.
 Fowler, Frank L., 181 Powder House blvd., Printer.
 Francis, J. Arthur, 100 Broadway, Clerk.
 Frazee, John Anslie, 15 Oxford st., Lithographer.
 Freeman, Ebenezer S., 28 Campbell park, Fish dealer.
 Freeman, Frederick S., 22 Tower st., Candy maker.
 French, James M., 60 Adams st., Ticket agent.
 Freeze, Frank E., 89 Ossipee road, Furniture dealer.
 Frisbie, Percy C., 75 Ossipee road, Bookkeeper.
 Frost, J. Edward, 12 Albion st., Clerk.
 Frost, Thomas, 47 Pearl st., Foreman.
 Frye, Daniel M., 222 Highland ave., Secretary.
 Fryer, John J., 29 Hall ave., Bookkeeper.
 Fuller, Charles W., 35 Montrose st., Foreman.
 Fuller, George F., 20 Park ave., Salesman.
 Fuller, Henry M., 26 Everett ave., Clerk.
 Furlong, Arthur W., 42 Greenville st., Ticket agent.
 Fyfe, Charles S., 14 Albion st., Shirt maker.

G

Gage, B. Raymond, 43 Evergreen ave., Agent.
 Gage, Sewall J., 96 Sycamore st., Collector.
 Garland, Charles T., 158 Pearl st., Coal dealer.
 Garratt, Russell Newton, 98 Packard ave., Salesman.
 Garrett, Frank R., 226 Elm st., Grocer.
 Gazeley, Arthur E., 94 Marshall st., Asst. secretary.
 Geddes, James, 88 Munroe st., Manager.
 Gibby, Adam H., 200 Summer st., Electrician.
 Gibby, Frank L., 42 Montrose st., Bookkeeper.
 Gibby, S. James, 42 Montrose st., Clerk.
 Gilbert, Frank A., 84 Lexington ave., Druggist.
 Giles, Howard S., 24 Webster st., Clerk.
 Gill, William T., 15 Fountain ave., Undertaker.
 Gillis, Daniel B., 27 Willow ave., Builder.
 Gillmore, Horace E., 43 Heath st., Salesman.
 Gilmore, Solon E., 33 Crocker st., Undertaker.
 Gleason, John L., 17 Dow st., Electrical contractor.
 Glover, Ellis H., 36 Tufts st., Salesman.
 Goddard, Charles E., 7 Wheeler st., Manager.
 Godey, Frederick C., 4 Ivaloo st., Roofer.
 Godfrey, Walter J., 14 Harvard place, Painter.
 Goebel, John W., 90 Pearson ave., Manager.
 Gohring, Leander H., 10 Billingham st., Printer.
 Golden, Isaac, 9 Crown st., Merchant.
 Golden, Joseph F., 24 Bay State ave., Salesman.
 Good, Richard Y., 30 Brastow ave., Salesman.

Goodrich, Wilbur F., 10 Gibbens st., Civil engineer.
 Goodwin, Charles O., 54 Benton road, Salesman.
 Gordon, Harry W., 88 Ossipee road, Bookkeeper.
 Gordon, Walter P., 400 Mystic ave., Poultry dealer.
 Goss, William E., 30 Oxford st., Architect.
 Gould, William T., 65 Pearson ave., Electrician.
 Gove, George H., 14 Wesley st., Civil engineer.
 Grace, William B., 85-A Partridge ave., Provision dealer.
 Grady, Dennis, 327 Lowell st., Tailor.
 Graham, Alfred L., 444 Medford st., Clerk.
 Graham, James L., 13 Morton st., Salesman.
 Grant, Robert M., 23 Rush st., No occupation.
 Graves, David B., 17 Rogers ave., Clothing dealer.
 Graves, Frank W., 27 Winslow ave., Inspector.
 Gray, Chester A., 23 Webster st., Timekeeper.
 Gray, Daniel Elmore, 75 Lowden ave., Manager.
 Gray, John H., 44 Marshall st., Photographer.
 Green, J. Rush, 11 Cambria st., Manufacturer.
 Greene, Frederick A., 5 Essex st., Real estate dealer.
 Greene, Joseph M., 7 Cutter park, Real estate agent.
 Gridley, Joseph, 179 Highland ave., Restaurant keeper.
 Grieves, William W., 57 Dartmouth st., Clerk.
 Grover, Mazina S., 30 Bay State ave., Asst. foreman.
 Grover, Nelson H., 26 Oxford st., Agent.
 Groves, Leander F., 9 Eastman road, Plumber.
 Guild, Julius J., 325 Washington st., Salesman.
 Gustin, Herbert I., 80 Benton road, Fruit dealer.

H

Hackett, James A., 20 Atherton st., Telephone operator.
 Hadley, Norris E., 35 Conwell ave., Draughtsman.
 Hadley, Walter M., 24 Hathorn st., Real estate dealer.
 Hagar, George N., 8 Waterhouse st., Insurance agent.
 Hager, John M., 27 Walter st., Milkman.
 Haines, Alonzo M., 63 Berkeley st., Insurance agent.
 Hale, Alfred J., 54 Partridge ave., Clerk.
 Haley, Joseph A., 7 Linden st., Printer.
 Hall, Charles E., 164 Broadway, Shipper.
 Hall, Frederic D., 26 Dartmouth st., Electrician.
 Hall, George G., 89 Cross st., Printer.
 Hall, Harley E., 22 Pleasant ave., Stable keeper.
 Hall, Ira L., 25 Joseph st., Mechanic.
 Hall, Roy, 102 Glenwood road, Bookkeeper.
 Halnan, Frederick J., 12 Holyoke road, Drug clerk.
 Ham, Arthur E., 15 Waldo st., Salesman.
 Hamilton, Alexander M., 219 Summer st., Carver.
 Hamilton, George L., 24 Spencer ave., Adv. manager.
 Hamilton, John R., 7 Morgan st., Agent.
 Handy, Daniel N., 78 Oxford st., Librarian.
 Handy, Otis A., 25-A Moreland st., Printer.
 Haney, Joseph G., 31 Fountain ave., Clerk.
 Hanna, William F., 30 Fenwick st., Printer.
 Harding, William F., 330-A Highland ave., Adv. Clerk.
 Harmer, James T., 18 Adams st., Street railway president.
 Harmon, Charles H., 163 Willow ave., Clerk.
 Harmon, Fred E., 21 Cross st., Teamster.
 Harrington, Arthur D., 26 Oak st., Salesman.
 Harrington, Enos B., 31 Holyoke road, Granite worker.
 Harrington, John M., 27 Joseph st., Bookkeeper.

Harrington, Wendell P., 47 Cedar st., Clerk.
Harris, Robert C., 63 Newton st., Florist.
Harrison, Charles J., 55 Wheatland st., Salesman.
Hart, Charles J., 38 Bay State ave., Optician.
Hartwell, Haywood, 77 Munroe st., Builder.
Haskell, Albert L., 60 Putnam st., Printer.
Haskell, William H., 212 Holland st., Plumber.
Hastings, Herbert A., 17 Pleasant ave., Conductor.
Hatch, Arthur E., 46 Browning road, General manager.
Hatch, Selden L., 79 Benton road, Truckman.
Hathaway, William T., 27 Pearson road, Bookkeeper.
Hayden, Robert V., 29 Linden ave., Carpenter.
Hayes, George E., 82 Willow ave., Salesman.
Hayes, Walter A., 15 Wellington ave., Salesman.
Hayward, John G., 5 Windon st., Trustee.
Heald, Almon F., 212 Highland ave., Fruit broker.
Heald, Francis, 44-A Spencer ave., Furnishings dealer.
Hellmann, Charles W., 400 Medford st., Salesman.
Hemingway, Hermon S., 8 Oakland ave., Bookkeeper.
Henderson, Charles P., 61 Rogers ave., Hatter.
Henderson, Herbert L., 28 Billingham st., Iron mer.
Henderson, Joseph J., 242 Summer st., Clerk.
Hersey, Charles H., 30 Pembroke st., Provision dealer.
Heustis, Harry H., Jr., 23 Chester ave., Station master.
Hibbard, John P., 30 Cambria st., Optician.
Hicks, Carlton, 8 Charnwood road, Freight agent.
Higgins, Byron E., 243 School st., Mason.
Higgins, Clarence A., 57 Concord ave., Shipper.
Higgins, Frederick A., 25 Berkeley st., Typesetter.
Higgins, Morton C., 8 Williams court, Carpenter.
Hight, Chauncey L., 11 Forster st., Salesman.
Hill, Allen Philip, 155 Sycamore st., Harness dealer.
Hill, Arthur B., 17 Norwood ave., Musician.
Hill, Burton W., 8 Munroe st., Machinist.
Hilliard, Ernest W., 30 Line st., Shipper.
Hills, Arthur T., 8 Teele ave., Real estate dealer.
Hills, William H., 41 Belmont st., Journalist.
Hilton, Sylvester C., 39 Nashua st., Printer.
Hobbs, Fred A., 3 Lincoln place, Clerk.
Hodge, Charles W., 26 Billingham st., Bookkeeper.
Hodgkins, Edward S., 139 Orchard st., Clerk.
Hoit, Edward P., 275 Highland ave., Fish dealer.
Hoitt, Edward D., 32 Farragut ave., Auditor.
Holland, Charles J., 30 Aldrich st., Paper hanger.
Holland, William L., 30 Aldrich st., Printer.
Hollis, George O., 45 Marshall st., Milkman.
Holmes, Frank H., 29-A Veazie st., Superintendent.
Holmes, Fredrick M., 22 Maple ave., Salesman.
Holmes, Ralph N., 67 Lexington ave., Electrician.
Holmes, Samuel, 49 Thurston st., Marketman.
Holt, Arthur T., 41 Laurel st., Chauffeur.
Holt, Harry E., 82 Ossipee road, Salesman.
Holyoke, Arthur H., 24 Windom st., Pattern maker.
Hood, Charles H., 2 Benton road, Milk dealer.
Hood, Edward J., 45 Walnut st., Milk contractor.
Hooper, Harry A., 41 Munroe st., Roofer.
Hopkins, Charles O., Jr., 268 Willow ave., Clerk.
Hopkins, Willis F., 10 Lee st., Manager.
Horton, Clarence W., 48 Irving st., Asst. manager.

Hosmer, Ralph H., 51 Mt. Vernon st., Poultry dealer.
 Houghton, Edgar W., 20 Gilman ter., Manager.
 Howard, Charles W., 54 Spring st., Provision dealer.
 Howard, Edmund T., 58 Bow st., Bookkeeper.
 Howard, Eugene P., 11 Hall ave., Salesman.
 Howard, John, 25 Windsor road, Foreman.
 Howe, Otis W., 1 Kensington ave., Tailor.
 Hoyt, Fred A., 73 Chandler st., Superintendent.
 Hubbard, Curtis A. L., 22 Fremont st., Salesman.
 Hubbard, Harry H., 40 Marshall st., Laundry agent.
 Hudson, George H., 11 Evergreen ave., Auto. dealer.
 Huff, Wilbur S., 55 Bartlett st., Bookkeeper.
 Hughes, Charles W., 267 Highland ave., Painter.
 Hulsman, Chester R., 7 Alston st., Salesman.
 Humphrey, Wallace M., 21 Winter st., Yard master.
 Humphrey, Walter E., 50 Albion st., Clerk.
 Hunt, Clayton S., 101 Hancock st., Stock broker.
 Hunter, Robert B., Jr., 114 Rogers ave., No occupation.
 Hurn, George F., 7 Oakland ave., Carpet cleaner.
 Huse, A. Alonzo, 7 Tower st., Treasurer.
 Hutchins, Charles K., 24 Wesley park, No occupation.
 Hutchinson, Samuel J., 43 East Albion st., Clerk.
 Hyde, Joseph W., 31 Sewall st., Salesman.

I

Ingalls, George A., 61 Pearl st., Broker.
 Ingham, John S., 27-B Summer st., Clerk.
 Inman, Allan C., 89 Josephine ave., Secretary.
 Ireland, George H., 28 Appleton st., Blacksmith.
 Ireland, Olin F., 734 Broadway, Wool finisher.
 Irving, Edward T., 34 Moore st., Driver.
 Irwin, John D., 22 Claremon st., Coppersmith.

J

Jackson, Arthur J., 274 Willow ave., Salesman.
 Jackson, Arthur W., 160 Lowell st., Clerk.
 Jackson, Edwin A., 31 Delaware st., Clerk.
 Jackson, Fred W., 166 Lowell st., Salesman.
 Jackson, Horace W., 108 Liberty ave., Heating cont'r.
 Jackson, William L., 27 College avenue, Cloth. salesman.
 Jacobs, Charles E., 39 Benton road, Provision dealer.
 James, George F., 66 Mystic ave., Teamster.
 James, Williams B., 16 Westwood road, Poultry dealer.
 Janes, George Francis, 63 Evergreen ave., Salesman.
 Janvrin, George L., 12 Kensington ave., Jeweler.
 Jaques, George T., 43 Temple st., Teamster.
 Jelley, William J., 77 Moreland st., Laborer.
 Jenkins, J. Stewart, 87 Bartlett st., Salesman.
 Jenness, Walter G., 103 Pearson ave., Lumber dealer.
 Jennings, Chester R., 22 Cedar st., Clerk.
 Johnson, Albert H., 18-A Broadway, Baggage master.
 Johnson, Arthur H., 128 Powder House blvd., Salesman.
 Johnson, Frank O., 436 Medford st., Plumber.
 Johnson, John, 77 Pearl st., Stable keeper.
 Johnson, Robert S., 22 Woodbine st., Clerk.
 Johnson, Walter M., 48 Tennyson st., Salesman.
 Joiner, Alexander J. M., 48 Hudson st., Manager.
 Jolley, Joseph H., 57 Bromfield road, Secretary.
 Jones, Amos P., 6 Highland ave., Clerk.

Jones, Carroll Q., 33-A Jaques st., Bookkeeper.
 Jones, Fred B., 18 Bromfield road, Manager.
 Jones, Guy E., 208 Holland st., Electrical engineer.
 Jones, Ralph P., 141 Powder House blvd., Manager.
 Joslyn, Will C., 37 Banks st., Salesman.
 Jouett, Fred W., 27 Chester st., Salesman.
 Joyce, Richard V., 126 Orchard st., Salesman.

K

Kane, Thomas H., 28 Fellsway West, Salesman.
 Kaula, Charles H., 38 Richdale ave., Clerk.
 Kaulback, Sumner T., 34 Highland road, Foreman.
 Kauler, John E., 139 Perkins st., Undertaker.
 Keach, Charles A., 34 Lowden ave., Bookkeeper.
 Keay, Fred E., 153 College ave., Editor.
 Keddy, Thomas A., 35 Josephine ave., Egg salesman.
 Keefe, Charles W., 191 Pearl st., Bookkeeper.
 Keene, Charles H., 12-A Kensington ave., Foreman.
 Kegler, Albert G., 34 Lowden ave., Clerk.
 Kegler, Frederick G., 34 Lowden ave., Contract agent.
 Keith, Henry V., 65 Bromfield road, Bookkeeper.
 Kelley, Charles F., 62 Highland ave., Salesman.
 Kelley, John B., 250 Willow ave., Monotype operator.
 Kelley, Robert H., 962 Broadway, Printer.
 Kendall, Edward J., 349 Summer st., Potato dealer.
 Kendall, Phillip S., 41 Russell st., Milk dealer.
 Kendall, Warren C., 186 Central st., Secretary.
 Kennamon, Thomas W., 47 Main st., Teamster.
 Kennedy, James J., 43 Dartmouth st., Truckman.
 Kenney, Oliver G., 10 Franklin ave., Salesman.
 Keyes, Charles A., 6 Adams st., Butter dealer.
 Keyes, George R., 17 Everett ave., Salesman.
 Kidder, Charles A., 100 Central st., Salesman.
 Kilton, William F., 9 Upland park, Grocery clerk.
 Kindred, George L., 18 Windsor road, Printer.
 King, Charles R., 9 Prospect Hill ave., Grocer.
 Kingman, Herbert S., 14 Westwood road, Butter dealer.
 Kingston, Thomas H., 45 Banks st., Clerk.
 Kinney, Edgar L., 92 Sycamore st., Bookkeeper.
 Knell, Frederick G., Jr., 84 Holland st., Frame manufac.
 Knight, Charles, 172 Summer st., Bond salesman.
 Knight, Perley H., 20 Preston road, Printer.
 Knight, William E., 425 Norfolk st., Clerk.
 Knowlton, Edward B., 35 Morrison ave., Pattern maker.
 Kramer, Everett A., 26 Madison st., Shipper.
 Kuhn, William H., 227 Summer st., Clerk.
 Kyte, John A., 47 Main st., Druggist.

L

Ladd, George W., 14 Elston st., Blacksmith.
 Lighton, Everett W., 43 Montrose st., Clerk.
 Lailor, Waldo H., 369 Medford st., Salesman.
 Lakin, George W., 215 College ave., No occupation.
 Lamb, Richard, 33 Vinal ave., Salesman.
 Lambert, Frank S., 10 Cross st., Painter.
 Lamont, George H., 13 Conwell ave., Provision dealer.
 LaMoure, William T., 74 Boston st., Freight agent.
 Land, Lawrence P., 60 Marshall st., Bookkeeper.
 Lander, Carl W., 75 School st., Mailer.

Lane, Edward A., 20 Wyatt st., Salesman.
Lane, George B., 65 Bromfield road, Restaurant keeper.
Lane, Theron H., 88 Orchard st., Merchant
Langdon, Harry, 41 Sargent ave., Druggist.
Lappen, John E., 7 Henderson st., Rubber shoe maker.
Laskey, Frank S., 25 Boston st., Bookkeeper.
Lawrence, Carl B., 8 Miner st., Bookkeeper.
Lawson, Warren G., 101 Summer st., Clerk.
Leach, Sanford H., 84 Highland ave., Salesman.
Learned, Willis L., 27 Cambria st., Civil engineer.
Leary, John J., 23 Knowlton st., Shipper.
Leathe, Arthur H., 254 Highand ave., Foreman.
Leathers, Harry H., 7 Greenville ter., Mechan. engineer.
Leavitt, William E., 50-B Oliver st., Clerk.
Leavitt, Frank W., 468 Somerville ave., Carriage manu.
Lee, Harry S., 50 Madison st., Salesman.
Leitch, Samuel, 93 Liberty ave., Salesman.
Leland, John D., 34 Irving st., Foreman.
Lewis, Alfred H., 98 Packard ave., Bookkeeper.
Lewis, Andrew R., 48 Kidder ave., Builder.
Lewis, Frank B., 30 Aberdeen road, Machinist.
Lewis, Wayland H., 15 Westwood road, Treasurer.
Leydon, Michael J., 43 Hancock st., Mason.
Lheureux, Joseph N., 24 Garrison ave., Salesman.
Libby, George R., 61 Hall ave., Stationer.
Lillie, Raymond W., 446 Medford st., Salesman.
Lincoln, Rollin T., 40 Harvard st., Stock broker.
List, James G., 19 Tufts st., Gold beater.
Litchfield, Harry W., 181 Broadway, Milk dealer.
Littlefield, Thatcher E., 71 Bay State ave., Lumber dealer.
Lloyd, William C., 104 Holland st., Expressman.
Locatelli, John E., 50 Lowell st., Contractor.
Locke, George H., 22 Montrose st., Salesman.
Locke, Stephen S., 11 Prospect Hill ave., Marketman.
Lombard, John H., 15 Walnut road, Teamster.
Lombard, Peter J., 6 Rush st., Foreman.
Long, Alonzo G., 96 Glenwood road, Auditor.
Long, John H., 113 School st., Teamster.
Lord, Edmund B., 52 Winslow ave., Wood worker.
Lord, Francis H., 45 Avon st., Clerk.
Lord, Guy M., 69 Chandler st., Optician.
Loring, Robert B., 45 Tennyson st., Bookkeeper.
Lothrop, Herbert A., 217 College ave., Printer.
Loudon, Thomas, 81 School st., Salesman.
Lovejoy, George H., 167 Highland ave., Warehouseman.
Loveland, Charles M. N., 898 Broadway, Stenographer.
Lovell, Willard C., 51 Fairmount ave., Musician.
Lovering, Edward P., 16 Howe st., Mason.
Lovering, Everett L., 48½ Prescott st., Piano tuner.
Lovering, Harry F., 25 Cottage ave., Map mounter.
Lovering, Minot D., 12 Gilman ter., Grocer.
Lovett, Arthur L., 42 Cedar st., Salesman.
Lowell, Charles W., 53 Francesca ave., Produce dealer.
Lowell, Frank M., 42 Aldrich st., Real estate dealer.
Lowell, James S., 37 Harvard st., Superintendent.
Lunt, Fred E., 24 Hall ave., Bookkeeper.
Lussier, George A., 40 Raymond ave., Decorator.
Lyford, Frank D., 20 Lincoln ave., Carpenter.
Lynch, Bartholomew, 120 Walnut st., Teamster.
Lynch, William P., 88 Avon st., Agent.
Lyons, John J., 26 Wyatt st., Press feeder.

M

Macabe, George A., 224 Medford st., Sign painter.
McCarthy, Charles F., 22 Thorpe st., Jeweler.
McCarthy, Chester D., 45 Union square, Salesman.
McCarthy, John J., 220 Summer st., Superintendent.
McCarty, John J., 13 Knowlton st., Charcoal dealer.
McColgan, John E., 85 Partridge ave., Manager.
Macomber, George A., 102 Thurston st., Merchant.
McDermott, William J., 12 Mossland st., Shipper.
Macdonald, Eugene B., 9 Crocker st., Manager.
MacDonald, Leo E., 98 Kidder ave., Electrical engineer.
McDonald, Robert D., 18 Greene st., Upholsterer.
McFadden, George W., 27 Berkeley st., Clerk.
McFarland, John A., 41 Burnside ave., Artist.
McGann, Thomas F., Jr., 45 Putnam st., Brass worker.
McGregor, Thomas G., 20 Curtis st., Buyer.
McKay, Alexander, 36 Oak st., Grocer.
McKenna, George F., 292 Lowell st., Undertaker.
McLaughlin, Henry H., 21 Belmont st., Salesman.
McLean, James A., 30 Banks st., Foreman.
McMurdie, Origen A., 33 Lexington ave., Clerk.
McSweeney, John J., 331 Washington st., Printer.
Madden, John H., 61 Marion st., Chandelier manufac.
Maddison, Thomas B., 221 Morrison avenue, Furrier.
Maddocks, John H., 17 Wallace st., Designer.
Maddox, George W., Jr., 193 Broadway, Collector
Magee, James L., 65 Beech st., Pressman.
Magoon, Frank P., 38 Madison st., Clerk.
Magown, Herbert B., 14 Clark st., Clerk.
Maguire, Frank V., 500 Medford st., Clerk.
Malcom, Sydney A., 91 Munroe st., Foreman.
Maloney, M. Vincent, 191 College ave., Salesman.
Manning, Charles N., 32 Lake st., Foreman.
Manning, Daniel F., 86 Gilman st., Clerk.
Manning, Thomas F., 44 Highland ave., Clerk.
Mansfield, Charles S., 8 Pinckney place, Manager.
March, John N., 15 Ash ave., Well driver.
Marden, George F., 25 Francesca ave., Pattern maker.
Marier, Eugene B., 24 Kingston st., Musician.
Marks, Frank P., 33 Windsor road, Clerk.
Marsh, Alden P., 47 Burnside ave., Wire inspector.
Marsh, George, 16 Powder House ter., Publisher.
Marsh, William H., 27 Cutter st., Teamster.
Marshall, Albert A., 11 William st., Clerk.
Marshall, Arthur C., 75 Trull st., Clerk.
Marshall, Harry L., 7 Hall ave., Bookkeeper.
Marshall, Jesse M., 454 Medford st., Fruit dealer.
Martin, Alton G., 39 Bradley st., Salesman.
Martin, Frank L., 120 Josephine ave., Asst. superintend.
Martin, Willard E., 16 Montgomery ave., Salesman.
Martis, Christopher H., 68 Linwood st., Printer.
Mason, Arthur F., 18 Hall ave., Manager.
Mason, Frank J., 30 Pembroke st., Bookkeeper.
Mason, William S., 20 Austin st., Salesman.
Masury, Walter R., 367 Somerville ave., Collector.
Mathews, Emery A., 92 Oxford st., Bookkeeper.
Mathews, Ira C., 82 Lexington ave., Electrician.
Maxim, William W., 59 Boston st., Fruit dealer.
Maxwell, Madison M., 22 Greenville st., Bookkeeper.

Mead, Adelbert F., 74 Chandler st., Com. merchant.
 Meader, J. Edward, 400 Mystic ave., Manager.
 Melvin, George H., 295 Summer st., Printer.
 Melvin, Patrick C., 56 Elm st., Tailor.
 Mercer, William L., Jr., 342 Broadway, Real estate dealer.
 Meriam, Arthur J., 11 Evergreen ave., Clerk.
 Merrill, Andrew S., 82 Sycamore st., Salesman.
 Merrill, Fred W., 14 Eastman road, Electrician.
 Merrill, Warren A., 14 Westminster st., Salesman.
 Merritt, Robert H., 47 Cherry st., Purchasing agent.
 Metcalf, Harry B., 114 Belmont st., Editor.
 Miller, Samuel E., 31 Spencer ave., Clerk.
 Miller, Thomas, Jr., 24 Pleasant ave., Salesman.
 Milliken, Seymour J., 79 Thurston st., Salesman.
 Mink, Edward, 85 Elm st., Manager.
 Mitchell, Frank A., 11 Pleasant ave., Janitor.
 Money, Joseph A., 54 Myrtle st., Polish manufacturer.
 Monks, Charles A., 398 Medford st., Salesman.
 Monroe, Frederick T., 54 Bromfield road, Asst. treas.
 Moore, Albert S., 50 Brastow ave., Salesman.
 Moore, Arthur G., 11 Rogers ave., Printer.
 Moore, William G., 301 Washington st., Jeweler.
 Moran, Frank A., 18 Alpine st., Tool maker.
 Morgan, George H., 12 Sunnyside ave., Coffee dealer.
 Morgan, John B., 1 Cedar st., Foreman.
 Morris, Walter B., 51 Tufts st., Teamster.
 Morrison, Frank E., 23 Brook st., Provision dealer.
 Morrison, James, 62 Albion st., Salesman.
 Mortimer, Alfred C., 12 Lester ter., Asst. superintendent.
 Morton, Nelson G., 44-A Hancock st., Journalist.
 Moulton, Harold, 37 Warner st., Inspector.
 Muir, John M., 79 Marshall st., Hardware dealer.
 Muldoon, James J., 24 Putnam st., Clerk.
 Mullen, James H., 19 Bradley st., Hotel clerk.
 Mullin, Thomas F., 43 Beacon st., Inspector.
 Munday, Thomas P., 60 Fellsway West, Teamster.
 Munroe, Herbert J., 5 Chester ave., Secretary.
 Murch, Elmer F., 55 Adams st., Reporter.
 Murphy, James J., 113 School st., Wire chief.
 Murphy, Joseph H., 4 Thurston st., No occupation.
 Murphy, Stephen F., 102 College ave., Manager.
 Murray, Edward A., 1 Lincoln st., Auditor.
 Murray, James J., 47 Rogers ave., Printer.
 Muzzy, Horace T., 31 Vinal ave., Draughtsman.
 Myers, Mark B., 15 Hancock st., Clerk.

N

Neiss, Louis H., 63 Jaques st., Insurance agent.
 Nelson, William F., 33 Robinson st., Salesman.
 Newcomb, William I., 7 Pritchard ave., Foreman.
 Newhouse, George, 64 Bonair st., Teamster.
 Newton, Elbridge W., 8 Westwood road, Agent.
 Newton, William M., 84 Bay State ave., Clerk.
 Nichols, Ralph L., 60 Summer st., Auditor.
 Nicholson, Bartlett T., 368 Highland ave., Bookkeeper.
 Nickerson, Frank R., 47 Liberty ave., Clerk.
 Nickerson, Waldo H., 5 Wellington ave., Manager.
 Nickles, James W., 14 William st., Commission merchant.
 Niles, Franklin T., 229 Pearl st., Assistant manager.

Nixon, James A., 48 Holyoke road, Foreman.
 Nolan, James H., 30 Concord ave., Clerk.
 Nolan, John J. A., 13 Linden ave., Salesman.
 Nolan, Thomas M., 15 Mountain ave., Compositor.
 Northrop, Howard B., 165 College ave., Salesman.
 Nourse, N. Eugene, 80 Irving st., Interior decorator.
 Noyes, Charles S., 3 Sargent ave., Cigar dealer.
 Noyes, Walter I., 16 Mondamin court, Shipper.
 Noyes, William H., 12 Florence st., Foreman.
 Nute, Alfred D., 329 Highland ave., Shoemaker.
 Nyman, Ernest D., 5 Wigglesworth st., Baggage master.

O

O'Brien, Edmund L., 493 Broadway, Clerk.
 O'Brien, Edward J., 93 Lexington ave., Clerk.
 O'Brien, George J., 383 Summer st., Teamster.
 O'Brien, John J., 8 Durham st., Merchant.
 O'Brien, William E., 70 Prospect st., Manager.
 O'Brion, Fulton, 226 Summer st., Hay & grain dealer.
 O'Connell, Daniel H., 343 Summer st., Clerk.
 O'Connell, Patrick H., 14 Glendale ave., Manager.
 O'Connell, Thomas Meade, 43 Highland road, Shipper.
 O'Connor, J. Edward, 36-R Myrtle st., Teamster.
 Odell, Harold E., 81 Liberty ave., Steam fitter.
 Odiorne, Howard E., 15 Greenville st., Draughtsman.
 O'Donnell, James A., 23 Cutter st., Contractor.
 O'Donnell, Patrick G., 25 Pritchard ave., Insur. agent.
 O'Hea, Frank J., 482 Medford st., Salesman.
 O'Keefe, David, 26-A Glendale ave., Chauffeur.
 Oldfield, Ernest W., 97 Perkins st., Teamster.
 O'Leary, Peter, 21 Pinckney st., Inspector.
 Olive, E. Percy, 21 Warner st., Photographer.
 Olson, Otto, 741 Broadway, Carpenter and builder.
 O'Neill, Cornelius, 4 Beech st., Motorman.
 Ordway, Frank A., 271 Willow ave., Marketman.
 Ormsby, Robert S., 10 Packard ave., Com. reporter.
 Osborn, Edgar W., 86 Porter st., Contractor.
 Osgood, Charles G., 22 Dover st., Coal dealer.
 O'Shaughnessy, Patrick, 76 Derby st., Milk dealer.
 Owens, James A., 5 Spring Hill ter., Tailor.
 Owler, Edward, 30 Browning road, Salesman.
 Oxnard, John H., 156 School st., Druggist.

P

Packard, Alden H., 273 Summer st., Foreman.
 Packard, Frank D., 18 Buckingham st., Salesman.
 Page, Carl M., 32 Lexington ave., Salesman.
 Paige, Frank J., 17 Shawmut st., Meat cutter.
 Paine, Arthur C., 91 Perkins st., Insurance adjuster.
 Palmer, Charles F., 45 Greenville st., Clerk.
 Paon, Charles S., 16 West st., Bookkeeper.
 Parker, Arthur B., 17 Gilman st., Milk dealer.
 Parker, George S., 29 Josephine ave., Invoice clerk.
 Parker, John H., 16 Chandler st., Draughtsman.
 Partridge, Ashley W., 346 Summer st., Superintendent.
 Patten, Mark W., 128 Broadway, Coal dealer.
 Patterson, Arthur E., 33 Cutter ave., Druggist.
 Patterson, William S., 41 Prospect st., Carpenter.
 Patton, James H., 15 Hall ave., Civil engineer.

Pearson, Albert L., 11 Teele ave., Electrical engineer.
Pearson, Arthur G., 3 Sargent ave., Confectioner.
Pease, Elmer E., 25 Belmont st., Salesman.
Pendleton, Sumner M., 41 Simpson ave., Bookbinder.
Perkins, George E., 4 Essex st., Manager.
Perkins, Roy M., 167 Pearl st., Foreman.
Perry, Fred B., 39 Teele ave., Clerk.
Perry, Joseph H., 8 Kenwood st., Box manufacturer.
Perry, Walter A., 55 Wallace st., Salesman.
Perry, William E., 69 Marshall st., Clerk.
Peterson, Charles E., 15 Murray st., Bookkeeper.
Peterson, Oscar C., 22 Newbury st., Optician.
Phelps, George A., 11 Sargent ave., Printer.
Phillips, George W., 71 Hudson st., Bookkeeper.
Phillips, John C., 10 Prospect Hill ave., Coffee merchant.
Phillips, Joseph P., 6 Giles park, Laboratory foreman.
Phillips, Lorenzo R., 138 Powder House blvd., Printer.
Pickard, Elbridge A., 78 Chandler st., Grocer.
Pickering, Leon D., 105 Porter st., Clerk.
Pickthall, Richard E., 182 Central st., No occupation.
Pierce, Charles H., 13 Morgan st., Clerk.
Pierce, William F., 15 Chester place, Salesman.
Pigon, Joseph H., 36 Wallace st., Clerk.
Pillsbury, Robert F., 22 Hamlet st., Bookkeeper.
Pincus, Joseph J., 41 Lexington ave., Manager.
Piper, Hiram E., 1304 Broadway, Draughtsman.
Pitcher, Redington, 1 Thurston st., Salesman.
Pitman, J. Russell, 9 Lee st., Clerk.
Plimpton, Franklin F., 151 Elm st., Manager.
Plumer, William E., 197 Washington st., Hardware dealer.
Polk, Eugene H., 68 Mt. Pleasant court, Checker.
Pond, George W., 91 Bay State ave., Clothing dealer.
Porter, C. Frank, 34 Franklin st., Musician.
Porter, Henry P., 17 Hillside park, Printer.
Porter, James E., 13 Waterhouse st., Conductor.
Porter, Joseph W., 31 Hudson st., Salesman.
Powell, Frederick A., 8 Conwell st., Carpenter.
Powell, Ralph W., 225-A Highland ave., Salesman.
Pratt, Arthur N., 24 Delaware st., Salesman.
Pratt, George W., 35 Clark st., Chief clerk.
Prescott, Albion M., 21 Carlton st., Furniture mover.
Prescott, Charles A., 5 Lexington ave., Proof reader.
Prescott, Horace A., 411 Highland ave., Milk dealer.
Prescott, Willard L., 19 Pearson road, Bookkeeper.
Preston, T. Franklin, 82 Sycamore st., Manager.
Preston, William A., 179-A Pearl st., Shipper.
Price, Elmer A., 35 Bartlett st., Fish dealer.
Prichard, George W., 16 Fremont st., Foreman.
Pride, Edwin L., 9 Browning road, Public accountant.
Prior, Charles W., 23 Greene st., Electrician.
Proctor, Frederick J., 225 Medford st., Motorman.
Proctor, George Waldo, 44 Spring st., Clerk.
Proudfoot, Christopher R., 91 Yorktown st., Timekeeper.
Puffer, Charles, 14 Dartmouth st., Produce dealer.
Purcell, Edward A., 293 Beacon st., Shipper.
Purdy, Frank W., 12 Prescott st., Clerk.
Pynn, Edward, 29 Ash ave., Carpenter.

Q

Quimby, Frank W., 309 Summer st., Stenographer.
 Quinlan, John P., 8 Buckingham st., Driver.
 Quinn, Edward J., 110 Prospect st., Salesman.
 Quinn, John J., 7 Shawmut st., Foreman.
 Quinn, John W., 15 Oak st., Confectioner.
 Quinn, Joseph L., 110 Prospect st., Driver.
 Quirk, James, 153-A Somerville ave., Laborer.

R

Ralph, Howard L., 66 Bromfield road, Manager.
 Ralph, James E., 24 Bromfield road, Clerk.
 Ralston, Robert S., 38-A Oliver st., Compositor.
 Rametti, Irving W., 25 Cottage ave., Salesman.
 Ramsey, Harry J., 66 Myrtle st., Druggist.
 Rand, Fred C., 35 Banks st., Foreman.
 Rankin, Albert, 32 Cameron ave., Inspector.
 Rawles, Aaron B., 16 Broadway, Asst. superintendent.
 Ray, George W., 64 Ossipee road, Salesman.
 Ray, Robert S., 21 Webster ave., Shipper.
 Raymond, John M., 37 Jaques st., Bookkeeper.
 Rayner, James E., 143 Sycamore st., Manager.
 Reardon, Timothy J., 28 Bromfield road, Salesman.
 Reed, Charles Chester, 163 Elm st., Asst. paymaster.
 Reed, James F., 459 Medford st., Salesman.
 Reed, Nathan P., 42 Browning road, Iron merchant.
 Rees, Warren C., 183 Willow ave., Typewriter.
 Remick, Frank E., 16 Cutter st., Clothier.
 Remick, George A., 91 Perkins st., Clothier.
 Remick, Lewis H., 45 Josephine ave., Mechanician.
 Reynolds, James B., 4 Concord ave., Shipper.
 Reynolds, James F., 7 Adams st., Insurance agent.
 Rhodes, Harry L., 82 Highland ave., Salesman.
 Rice, Charles A., 33-C Dover st., Bookkeeper.
 Rich, Arthur W., 41 Mt. Pleasant st., Electrician.
 Rich, Herbert W., 38 Bromfield road, Bookkeeper.
 Rich, Reuben D., 34 Grant st., Teamster.
 Richards, Charles A., 16-A Hall st., Salesman.
 Richards, Lewis C., 12 Prospect Hill ave., Marketman.
 Richards, William P., 44 Day st., Architect.
 Richardson, Herbert S., 41 Columbus ave., Teamster.
 Richmond, Charles, 7 Munroe st., Clothing dealer.
 Ricker, George E., 27 College ave., Hotel keeper.
 Riley, Philip W., 55 Josephine ave., Printer.
 Riley, William F., 45 Main st., Bookkeeper.
 Ringer, Thomas F., 61 Central st., Superintendent.
 Ripley, Lawrence G., 48 Rogers ave., Piano tuner.
 Ripley, Prentiss T., 50 Hall ave., Tile mason.
 Rivers, Fred S., 35 Charnwood road, Electrician.
 Robbins, George D., 11 Elmwood st., Clerk.
 Robbins, Lucien N., 11 Pearl ter., Grocer.
 Robbins, Nathan, 22 St. James ave., No occupation.
 Robbins, William T., 51 Jaques st., Provision dealer.
 Roberts, Arthur H., 24 Fairmount ave., Salesman.
 Roberts, Harry, 91 Sacramento st., Merchant.
 Roberts, Henry P., 769 Broadway, Printer.
 Roberts, John F., 24 Fairmount ave., Salesman.
 Roberts, William H., 62 Chandler st., Clerk.
 Robertson, Henry W., 43 Robinson st., Manager.

Robertson, Walter E., 8 Linden ave., Clerk.
 Robie, Walter A. H., 227 Highland ave., Jeweler.
 Robinson, Arthur W., 118 Highland road, Auditor.
 Robinson, Edward E., 105 Rogers ave., Clerk.
 Robinson, Richard H., 18 Thorndike st., Clerk.
 Rockwell, Leonard W., 315-A Beacon st., Clerk.
 Rockwood, Albert P., 68 Columbus ave., Stable keeper.
 Rodway, Charles B., 48 Princeton st., Fruit dealer.
 Rogers, Andrew J., 25 Bay State ave., Salesman.
 Rogers, Ernest K., 42 Gibbens st., Bookkeeper.
 Rogers, Francis F., 95 Highland ave., Painter.
 Rogers, Joseph F., 62 Highland ave., Insurance agent.
 Rolfe, George H., 15 Lexington ave., Druggist.
 Rooks, Julius R., 46 Highland road, Fuel agent.
 Rose, Edward, 127 Josephine ave., Seedsman.
 Ross, Frank E., 42 Highland ave., Contractor.
 Ross, William H., 37 Laurel st., Real estate dealer.
 Rowe, John J., Jr., 11 Elston st., Estimator.
 Rowell, Warren A., 99 Belmont st., Clerk.
 Rugg, William C., 31 Wigglesworth st., Fish dealer.
 Ruppel, William E., 31 Quincy st., Pressman.
 Russell, Andrew J., 20 Alston st., Weigher.
 Russell, Charles B., 330-A Highland ave., Salesman.
 Ryan, Henry L., 11 Atherton st., Bookkeeper.
 Ryan, John S., 37 Curtis st., Bookkeeper.
 Ryan, Matthew J., 20 Columbus ave., Salesman.
 Ryder, James M., 135 Lowell st., Fish dealer.
 Ryder, Howard F., 54 Francesca ave., Salesman.

S

Sadlier, William T., 7 Campbell park, Bookbinder.
 St. John, Austin W., 25 Greene st., Manager.
 Sanborn, Harry F., 274 Summer st., Broker.
 Sanborn, J. Walter, 183 Central st., Commis. merchant.
 Sargent, A. Eugene, 2 Sargent ave., Manager.
 Sargent, Charles W., 93 Rogers ave., Salesman.
 Saunders, Alfred J., 24 Powder House ter., Bookkeeper.
 Savage, Walter F., 28 Avon st., Storekeeper.
 Saville, J. Freeman, 64 Sycamore st., Cigar dealer.
 Savory, Thomas C., 103 Belmont st., Clerk.
 Sawyer, Carroll W., 51 Willow ave., Salesman.
 Sawyer, Henry R., 10 Browning road, Clerk.
 Sawyer, Horace C., 140 Highland road, Clerk.
 Schrafft, William E., 49 Belmont st., Merchant.
 Scott, John Winfield, 35 Hawthorne st., Printer.
 Sears, Edward S., 130 College ave., Bookkeeper.
 Sears, George R., 19 Columbus ave., Purchasing agent.
 Sexton, John B., 177 Walnut st., Grocery salesman.
 Seymour, Alfred A., 10 Brook st., Salesman.
 Sharkey, James F., 31 Thurston st., Manager.
 Shattuck, Ernest V., 92 Broadway, Salesman.
 Shaw, William S., 387 Medford st., Salesman.
 Shay, James J., 46 Florence st., Spring manufacturer.
 Shepard, Frederick E., 191 Broadway, Salesman.
 Shepard, Guilford F., 22 Oxford st., Baggage master.
 Sheridan, Bernard J., 86 Highland road, Foreman.
 Sherriff, Guy M., 238 School st., Clerk.
 Shirley, Percy E. S., 45 Union square, Insurance agent.
 Sholes, Harry W., 10 Cypress st., Shipper.
 Sidebottom, George H., 90 Josephine ave., Architect.
 Sillers, Charles M., 230 Pearl st., Clerk.

Simonds, Samuel W., 27 College ave., Broker.
Simpson, Artemas D., 15 Lesley ave., Salesman.
Singleton, Albert, 246 Beacon st., Shipper.
Slack, Clarence I., 9 Windsor road, Salesman.
Slager, Charles A., 42 Ivaloo st., Carpenter.
Sleeper, Fred H., 66 Lexington ave., Claim agent.
Smith, Angus J., 37 Moore st., Salesman.
Smith, Charles A., 55-R Lowell st., Clerk.
Smith, Edward P., 45 Josephine ave., Bookkeeper.
Smith, Emery G., 34 Cambria st., Clerk.
Smith, F. Ellwood, 70 Chandler st., Manager.
Smith, Frank W., 43 Curtis st., Hardware dealer.
Smith, Lawrence B., 45 Madison st., Salesman.
Smith, Leslie E. A., 16 Lincoln st., Carriage keeper.
Smith, Percy C., 88 Irving st., Salesman.
Smith, Philip J., 83 Bay State ave., Ship broker.
Smith, Ralph W., 5 Avon st., Driver.
Smith, Robert E., 23 Hamlet st., Foreman.
Smith, Thomas, 54-R College ave., Preserve cook.
Smith, Walter A., 8 Eastman road, Printer.
Snow, Edward L., 22 Temple st., Clerk.
Snow, Stillman J., 34 Tower st., Clerk.
Snow, Wallace H., 42 Derby st., Ice cream manufacturer.
Snow, Wilbur L., 61 Elm st., Clerk.
Snow, William A., 17 Francesca ave., Merchant.
Solomon, Frank L., 12 Berkeley st., Manufacturer.
Soule, H. Austin, 124 Summer st., Civil engineer.
Soule, Samuel E., 105 Rogers ave., Broker.
Souther, Charles E., 95 Kidder ave., Salesman.
Southern, Samuel C., 115 Belmont st., Clerk.
Southwick, Clifford E., 121 Belmont st., Clerk.
Spaulding, Edward F., 27 Josephine ave., Salesman.
Spaulding, Frank P., 39 Hall ave., Manager.
Spaulding, Fred E., 80 Partridge ave., Salesman.
Spear, Charles W., 22 Gibbens st., Marketman.
Spoonier, Orin E., 110 Boston ave., Broker.
Sprague, Harry R., 18 Hancock st., Clerk.
Sprague, Wallace C., 35 Fairmount ave., Bookkeeper.
Stackpole, Arthur B., 248-A Highland ave., Clerk.
Staples, Mendall G., 3 Pearl ter., Janitor.
Stay, Clarence L., 19 Upland park, Shoe buyer.
Sterling, Frank T., 30 Wallace st., Clerk.
Stetson, Walter E., 13 Browning road, Clerk.
Stevens, Albion M., 32 Fellsway West, Optician.
Stevens, Charles H., 10 Oakland ave., Butter dealer.
Stevens, James H., 18 Melvin st., Superintendent.
Stevens, William H., 10 Oliver st., Shipper.
Stewart, Charles A., 300 Summer st., Book binder.
Stewart, Walter H., 145 Orchard st., Clerk.
Stockton, Charles R., 11 Melvin st., Manager.
Stoddard, Charles W., 60 Bartlett st., Auditor.
Story, William C., 42 Holyoke road, Foreman.
Street, Frank, 246 Willow ave., Asst. buyer.
Strout, Frank W., 17 Flint st., Clerk.
Sturtevant, George H., 64 Bow st., Salesman.
Sullivan, John P., 173 College ave., Pressman.
Sutherland, Thomas W., 16 Highland ave., Train master.
Sweeney, Eugene F., 111 Belmont st., Pressman.
Sweeny, John F., 53 Columbus ave., Asst. superintendent.
Swett, Robert W., 55 Lowden ave., Clerk.
Symonds, Charles, 71 Ossipee road, Paymaster.

T

Taft, Fred S., 67 Columbus ave., Druggist.
 Talbot, Edwin R., 222 Medford st., Editor.
 Tanner, Oscar H., 19 Prospect Hill ave., Foreman.
 Tarbell, Charles J., 36 Lowden ave., Compositor.
 Tarbox, Edwin F., 9 Carver st., Yard master.
 Tarbox, French O. J., 51 Victoria st., Machinist.
 Tarr, Harold E., 170 Central st., Asst. foreman.
 Tattan, Michael H., 458 Somerville ave., Re. estate dealer.
 Taylor, Ernest A., 15 Sargent ave., Baggage master.
 Taylor, Charles F., 36 Burnside ave., Salesman.
 Taylor, Walter F., 18 Virginia st., Clerk.
 Teele, Frank A., 33 Wallace st., Real estate dealer.
 Thayer, George E., 285 Medford st., Assistant weigher.
 Thomas, Fred, 18 Madison st., Salesman.
 Thomas, Joseph M., 23 Stickney ave., Salesman.
 Thompson, Alvah M., 134 Highland ave., Beef dealer.
 Thompson, Charles W., 237 School st., Music dealer.
 Thompson, George H., 95 Kidder ave., Clerk.
 Thomson, Emerson, 18 Mystic st., Station agent.
 Thornquist, Carl Jacob, 100 Packard ave., Broker.
 Thurston, Walter H., 16 James st., Bookkeeper.
 Tibbetts, Harris P., 33 Bradley st., Carpenter.
 Tibbetts, Luther H., 18 Winslow ave., Superintendent.
 Titus, Harry A., 8 Lowden ave., Clerk.
 Toppan, Arthur W., 209 Highland ave., Boat builder.
 Torrens, William L., 255 Broadway, Woodworker.
 Townsend, Walter S., 10 Packard ave., Bookkeeper.
 Tripp, William A., 8 Pearl ter., Shipper.
 Trowbridge, Walter J., 26 Fenwick st., Salesman.
 Trueman, J. Albert F., 7 Westwood road, Lumber mer.
 Tryon, Winthrop P., 14 Cherry st., Journalist.
 Tucker, Frank W., 50 Dartmouth st., Superintendent.
 Turner, Walter F., 15 Highland road, Salesman.

U

Ulm, Albert A., 59 Preston road, Printer.
 Underwood, Louis F., 50 Meacham road, Bookkeeper.
 Upton, Samuel, 102 Glenwood road, Machinist.

V

Valentine, Paul R., 2 Bolton st., Clerk.
 VanBuren, John D., 45 Tufts st., Carriage painter.
 VanCor, Charles J., 12 Miner st., Salesman.
 VanHorne, Jesse A., 309 Broadway, Clerk.
 Vanner, Samuel A., 7 Thurston st., Manager.
 Van Ummersen, Richard, 97 Munroe st., Asst. fr'ght agt.
 Varney, Charles A., 25 Teele ave., Inspector.
 Vaughan, Ernest L., 20 Berkeley st., Druggist.
 Vincent, James N., 11 Lovell st., Printer.
 Vorce, Martin E., 29-A Putnam st., Newsdealer.

W

Wadleigh, William Y., 65 Boston st., Wholesale grocer.
 Wainwright, Charles H., 29 Cambria st., Civil engineer.
 Waite, Frank A., 14 Main st., Clerk.
 Wakefield, Chester K., 21 Flint st., Insurance agent.
 Waldron, Ralph D., 44 Albion st., Clerk.
 Walker, Andrew R., 4 Florence st., Teamster.
 Walker, George, 26 Wallace st., Salesman.

Walker, Granville A., 9 Loring st., Painter.
 Walker, Henry I., 99 School st., Hardware dealer.
 Walker, Thomas G., 5 Dell st., Foreman.
 Wallace, William E., 68 Glenwood road, Decorator.
 Ward, Dana F., 145 Lowell st., Fish dealer.
 Ward, Irving H., 24 Wesley park, Salesman.
 Warren, Herbert D., 24 Banks st., Bookkeeper.
 Waterman, Wilbur C., 15-A Maple ave., Clerk.
 Watson, Harry S., 42 Boston st., Clerk.
 Watters, Robert D., 16 Ames st., Buyer.
 Waugh, W. Whitney, 125 Highland road, Salesman.
 Webster, Alexander S., 22 Walnut st., Teamster.
 Weeks, Edward H., 67 Rush st., Salesman.
 Welch, James R., 24 Hall st., Bookkeeper.
 Wentworth, Walter E., 4 Farragut ave., Superintendent.
 Wheeler, Frank A., 34 Evergreen ave., Bookkeeper.
 Whipple, William D., 74 Josephine ave., Clerk.
 Whitaker, William L., 5 Lexington ave., Superintendent.
 White, Frank H., 14 Montgomery ave., Map mounter.
 Whiting, Edward E., 67 Ossipee road, Reporter.
 Whiting, George, 61 Mt. Vernon st., Milk contractor.
 Whitney, Gorham H., 35 Adams st., Superintendent.
 Whittier, Henry F., 30 Delaware st., Super. of Account.
 Wiggin, Albert L., 13 Knapp st., Merchant.
 Wilbur, Moses F., 58 Irving st., Hay and grain dealer.
 Wiley, Henry C., 75 Thurston st., Broker.
 Williams, Stewart H., 43 Franklin st., Stenographer.
 Williston, Belvin T., 3 Monmouth st., Engraver.
 Willoughby, George T., 111 Central st., Builder.
 Wilson, Harry A., 23 Brastow ave., Foreman.
 Wilson, J. Albert, Jr., 52 Brastow ave., Musician.
 Wilson, Thomas G., 9 Irving st., Clerk.
 Winslow, George H., 95 Liberty ave., Clerk.
 Wisdom, Arthur E., 84 Avon st., Clerk.
 Withington, Henry A., 189 Summer st., Manager.
 Wolf, John, Jr., 13 Fosket st., Produce merchant.
 Wood, George A., 40 Laurel st., Lumber merchant.
 Woodley, Edward W., 25 Kidder ave., Printer.
 Woodman, John O. H., 13 Gorham st., Clerk.
 Woodward, Leonard S., 52 Dartmouth st., Bookkeeper.
 Wright, Edwin A., 31 Pearl st., Superintendent.
 Wright, John Edward, 18 Buckingham st., Electrician.
 Wyman, George A., 20 Brastow ave., Mechan. engineer.
 Wyman, Harry E., 18 Tower st., Manager.

Y

Yates, W. Dudley, 22 Powder House ter., Superintendent.
 Yeaton, Charles E., 129 Central st., Carpenter.
 Yerxa, Robert A., 71 Berkeley st., Manager.
 Young, Alfred M., 8 Cutter park, Optician.
 Young, Benjamin A., 8 Everett st., Clerk.
 Young, George E., 67 Grant st., Paper hanger.
 Young, Herbert L., 43 Quincy st., Clerk.

CHARLES P. LINCOLN, Chairman,
 EDWIN D. SIBLEY,
 DOUGLASS B. FOSTER,
 FEDERIC W. COOK,
 Board of Registrars of Voters.

CITY GOVERNMENT AND OFFICERS FOR 1911.

Mayor.

Charles A. Burns,
27 Thurston Street.

Board of Aldermen.

President, RALPH M. SMITH.

Vice-President, GERALD A. GARDNER.

WARD ONE.

Fred E. Hanley, Alderman-at-large	40 Oliver street
William H. Smith	16 Mystic street
Wallace E. Loveless	47 Glen street

WARD TWO.

George A. Wilson, Alderman-at-large	32 Springfield street
Edmond Russell	36 Lincoln parkway
Alfred J. Toomey	18 Linden street

WARD THREE.

Charles W. Boyer, Alderman-at-large	50 Highland avenue
Frank R. Dunklee	5 Prospect Hill avenue
Oscar W. Codding	21 Pleasant avenue

WARD FOUR.

William P. Jones, Alderman-at-large	13-A Maple avenue
Charles W. Hodgdon	22 Wigglesworth street
Leod MacLeod	13 Wesley street

WARD FIVE.

Gerald A. Gardner, Alderman-at-large	8 Hudson street
Richard F. Churchill	16 Winter Hill Circle
Charles A. Draper	442 Broadway

WARD SIX.

Oscar H. Belding, Alderman-at-large	182 Highland avenue
Joseph O. Knox	109 Rogers avenue
Oscar G. Sargent	36 Cedar street

WARD SEVEN.

Ralph M. Smith, Alderman-at-large	80 Bay State avenue
William B. Brown	72 Wallace street
Harry G. Chase	37 Sawyer avenue

City Clerk—FREDERIC W. COOK.

Assistant City Clerk—HOWARD E. WEMYSS.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock, except when such Thursday is a holiday, in which case the meeting is held on the preceding Tuesday evening.

Standing Committees of the Board of Aldermen.

APPOINTMENTS—Aldermen Gardner, Jones, Smith of Ward 1, Sargent and Coddington.

FINANCE—The President, Aldermen Belding, Hanley, Hodgdon, Russell, Coddington and Churchill.

LEGISLATIVE MATTERS—Aldermen Boyer, Hodgdon, Hanley, Churchill and Wilson.

LICENSES AND PERMITS—Aldermen Smith of Ward 1, Brown, Dunklee, Sargent, Draper, MacLeod and Toomey.

PUBLIC PROPERTY—Aldermen Belding, Brown, Loveless, Toomey and MacLeod.

PUBLIC SAFETY—Aldermen Russell, Knox, Dunklee, Draper and Chase.

PUBLIC WORKS—Aldermen Jones, Gardner, Boyer, Chase, Wilson, Knox and Loveless.

School Committee.

Chairman.—HENRY H. FOLSOM.

Vice-Chairman.—GEORGE C. MAHONEY.

(Term, two years, except members ex-officiis.)

CHARLES A. BURNS, Mayor (ex-officio), 27 Thurston street.

RALPH M. SMITH, President Board of Aldermen (ex-officio), 80 Bay State avenue.

WARD ONE.

MARY G. WHITING (elected 1909), 61 Mt. Vernon street.

EMORY F. CHAFFEE (elected 1910), 109 Pearl street.

WARD TWO.

DANIEL H. BRADLEY (elected 1909), 19 Concord avenue.

THOMAS M. CLANCY (elected 1910), 52 Springfield street.

WARD THREE.

GEORGE E. WHITAKER (elected 1909), 75 Walnut street.

ALBERT C. ASHTON (elected 1910), 33 Columbus avenue.

WARD FOUR.

CHARLES A. KIRKPATRICK, JR. (elected 1909), 27 Sewall street.

GEORGE W. FOSTER (elected 1910), 8 Oakland avenue.

WARD FIVE.

HENRY H. FOLSOM (elected 1909), 103 Central street.

J. WALTER SANBORN (elected 1910), 183 Central street.

WARD SIX.

FREDERICK A. P. FISKE (elected 1909), 44 Cherry street.

MARY R. BREWER (elected 1910), 170 Summer street.

WARD SEVEN.

GEORGE C. MAHONEY (elected 1909), 97 College avenue.

LILLA H. TAINTER (elected 1910), 46 Chester street.

Superintendent and Secretary—CHARLES S. CLARK.

Office, City Hall Annex.

Hours: 8 A. M. to 5 P. M., except Saturdays;

Saturdays, 8 to 10 A. M.

Regular meetings, last Monday evening of each month, except July and August, when none are held, and December, when meetings are on the fourth and fifth Fridays.

Assessors.

(Term, three years.)

GEORGE W. PERKINS, Chairman (term expires 1913).

NATHAN H. REED (term expires 1912).

GEORGE E. ELLIOTT (term expires 1914).

WINSOR L. SNOW (term expires 1912).

HARRY VAN IDERSTINE (term expires 1914).

Assistant Assessors.

(Term, one year.)

FRED B. CLAPP.

JOHN FRANKLIN STACKPOLE.

J. ROBERT FENELON.

JAMES WILSON.

GEORGE I. CANFIELD.

WILLIAM H. WALLACE.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Board of Health.

(Term, two members, two years; one member, one year.)

WESLEY T. LEE, M. D., Chairman (term expires 1912).

WILLIAM P. FRENCH (term expires 1912).

JACKSON CALDWELL (term expires 1913).

Clerk, GEORGE H. GALPIN.

Agent.—CALEB A. PAGE.

Medical Inspector.—FRANK L. MORSE, M. D.

Superintendent Collection of Ashes and Offal.—EDGAR T. MAYHEW.

Inspector of Animals and Provisions.—CHARLES M. BERRY.

Inspector of Milk and Vinegar.—HERBERT E. BOWMAN.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Overseers of the Poor.

Office, City Hall Annex.

(Term, three years.)

EDWARD B. WEST, Chairman (term expires 1912).

ALBERT W. EDMANDS (term expires 1914).

HENRY F. CURTIS, M. D. (term expires 1913).

Agent.—CHARLES C. FOLSOM.

Secretary.—CORA F. LEWIS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Registrars of Voters.

(Term, three years.)

CHARLES P. LINCOLN, Chairman (term expires 1913).

EDWIN D. SIBLEY (term expires 1912).

DOUGLASS B. FOSTER (term expires 1914).

FREDERIC W. COOK, City Clerk (term expires 1914).

Public Library Trustees.

(Term, three years.)

THOMAS M. DURELL, Chairman (term expires 1913).

J. FRANK WELLINGTON (term expires 1914).

FREDERICK W. PARKER (term expires 1912).

WILLIAM L. BARBER (term expires 1913).

CHARLES L. NOYES (term expires 1914).

FREDERICK W. HAMILTON (term expires 1912).

WILLIAM H. BURGESS (term expires 1912). (Resigned June 8, 1911.)

CHARLES M. AMBROSE (term expires 1913).

GEORGE WHITING (term expires 1914).

WILLIAM H. DOLBEN (appointed September 14, 1911, to fill vacancy;
term expires 1912).*Librarian and Secretary.*—SAM WALTER FOSS (died February 26, 1911).

DREW B. HALL (elected April 17, 1911).

Library open 9 A. M. to 9 P. M., and the reading room Sundays,
2 to 6 P. M.**City Clerk.**

FREDERIC W. COOK.

Assistant City Clerk.—HOWARD E. WEMYSS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

City Treasurer and Collector of Taxes.

JOSEPH S. PIKE.

Office open: 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

City Messenger.

JAIRUS MANN.

Mayor's Secretary.

FRED E. WARREN.

City Solicitor.FRANK W. KAAH,
50 State street, Boston.**City Auditor.**

CLARENCE T. BRUCE.

City Engineer.

ERNEST W. BAILEY.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Streets.

ASA B. PRICHARD.

Office hour: 9.30 to 10 A. M.

Commissioner of Public Buildings and Inspector of Buildings.

WALTER T. LITTLEFIELD.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Electric Lines and Lights.

WALTER I. FULLER.

Office, Central Fire Station, 261 Medford street.

Water Commissioner.

FRANK E. MERRILL.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Clerk of Committees and Departments.

WILLIAM P. MITCHELL.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Chief of Police.

CHARLES A. KENDALL.

Office, Police Building, Bow street.

Chief Engineer of the Fire Department.

SEWALL M. RICH.

Office, Central Fire Station, 261 Medford street.

City Physician.

C. CLARK TOWLE, M. D.

24 Prospect Hill avenue.

Inspector of Plumbing.

DUNCAN C. GREENE.

Office hour: 8 to 9 A. M.

Inspector of Milk and Vinegar.

HERBERT E. BOWMAN.

Office hours: 9 A. M. to 12 M., except Saturdays.

Inspector of Animals and Provisions.

CHARLES M. BERRY,
60 Prescott street.

Inspector of Petroleum.

SEWALL M. RICH.
Office, Central Fire Station, 261 Medford street.

Sealer of Weights and Measures.

JOHN H. DUSSEAULT.
Deputy Sealer, BENJAMIN S. ABBOTT.
Office, City Hall Annex.
Office hours: 9 A. M. to 12 M.

Fence Viewers.

LAMBERT M. MAYNARD,
90 Highland avenue.
CHARLES M. BERRY,
60 Prescott street.

Burial Agent.

UNDER REVISED LAWS, CHAPTER 79, SECTION 20.
JOHN H. DUSSEAULT,
42 Sargent avenue.

Constables.

GEORGE H. CARLETON.	FRANKLIN W. HOPKINS.
EUGENE A. CARTER.	DENNIS KELLEY.
WINSLOW W. COFFIN.	CHARLES A. KENDALL.
THOMAS DAMERY.	JAIRUS MANN.
CHARLES L. ELLIS.	JOHN J. MCCARTHY.
CHARLES C. FOLSOM.	CHARLES B. PALMER.
PATRICK J. GARVIN.	ROBERT R. PERRY.
ARTHUR L. GILMAN.	MALCOLM E. STURTEVANT.
FREDERICK A. HANSCOM.	WILLIAM J. WARD.
JAMES A. HARMON.	CHARLES E. WOODMAN.
WILLIAM D. HAYDEN.	ANTHONY J. ZIEGAL.

Measurer of Wood and Bark.

WILLIAM B. HOLMES,
317 Broadway.

Measurer of Grain.

EVERETT C. EMERY.

Public Weigher in Charge of City Scales at City Ledge.

WILLIAM H. WHITCOMB.

Weighers of Coal.

DANIEL F. ASH.	GEORGE H. MARSH.
EDGAR H. BARKER.	JOHN A. MARSH.
ELMER E. BEACHAM.	OSMAN T. MARSH.
JOHN L. BLAKE.	JOHN W. MASON.
CONSTANCE M. COVENEY.	GEORGE H. MOORE.
ELLSWORTH J. CULLEN.	MARION NICHOLSON.
HARRY H. CUMMINGS.	FRANK J. OBERLE.
WILLIAM G. CUMMINGS.	LEWIS O'BRIEN.
ALBERTUS L. DAKIN.	JAMES P. O'NEILL.
CHARLES F. DOHERTY.	JOHN J. O'NEILL.
AMHERST F. DURKEE.	MARK W. PATTEN.
WILLIAM J. DWYER.	OBADIAH E. RING.
EVERETT C. EMERY.	WILLIAM H. ROBINSON.
FRED L. ESTEY.	WALTER K. SMITH.
CHARLES T. GARLAND.	ANDREW C. STEELE.
WILLIAM E. GERRISH.	J. FRANK TALBOT.
HELEN T. GOULD.	FRANK A. TEELE.
GARFIELD J. GRILLS.	WILLIAM J. THOMPSON.
JOSEPH F. HAUSE.	WILLIAM A. THURSTON.
WILLIAM H. IRELAND.	JOHN P. TULLY.
JAMES JOHNSTON.	C. JENNIE WALLACE.
SYLVANUS R. KNEELAND.	JAMES WALLACE.
THOMAS C. LAMB.	THOMAS WALSH.
WILLIAM M. LENNAN.	CHARLES H. WARD.
FRANK T. McMAHON.	ROBERT F. WARREN.
JOHN J. McMAHON.	JOHN H. WOODMAN.

Weighers of Beef.

ALBERT E. BAKER.	THOMAS S. PARKER.
F. A. BENNETT.	WILLIAM E. ROEDER.
OLIVER BRYANT.	GEORGE RYAN.
CARL BURROWS.	CARL F. SAMPSON.
GEORGE M. CHISHOLM.	WILLIS B. SARGENT.
WILLIAM J. DOONER.	WALTER SAVAGE.
CHARLES ELLARD.	EDWIN F. SEASLEY.
JOHN FLAHERTY.	WILLIAM E. SHACKLEY.
I. W. FORSAITH.	FRANK H. SHAW.
VINCENT GRAVES.	ROBERT E. SMITH.
FRED HARRIS.	LEONARD STICKLEY.
M. J. McCORMACK.	L. G. TRAFTON.
ARTHUR F. MASON.	JOSEPH F. TYTER.
REUBEN W. MEAD.	GEORGE C. WILLIAMS.
JOSEPH MURPHY.	TOBIAS YAVNER.

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